5. Alignment and Adjustment

5-1 Reference

1) X-Point (Tracking center) adjustment, “Head switching adjustment” and “NVRAM option setting” can be adjusted with remote control.
2) When replacing the Micom (IC601) and NVRAM (IC605 ; EEPROM) be sure to adjust the “Head switching adjustment” and “NVRAM option setting”.
3) When replacing the cylinder ass’y, be sure to adjust the “X-Point” and “Head switching adjustment”.
4) Remote control used for same chassis as a accessory is available for all adjustments.
5) How to adjustment.
   - Press the “SW703” button on Main PCB to set the adjustment mode.
   - If the corresponding adjustment button is pressed, the adjustment is performed automatically.
   - If the adjustment is completed, be sure to turn the power off.

5-1-1 Location of adjustment button of remote control

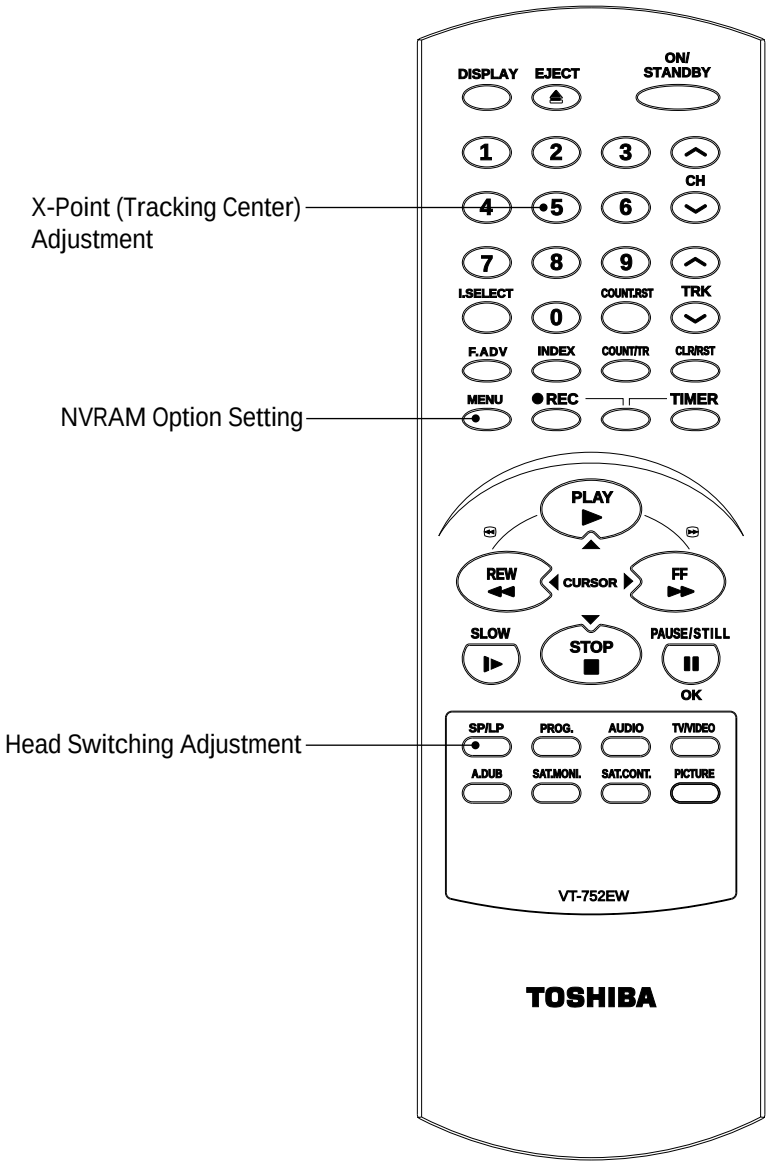


Fig. 5-1

5-1-2 SW703 location for adjustment mode setting

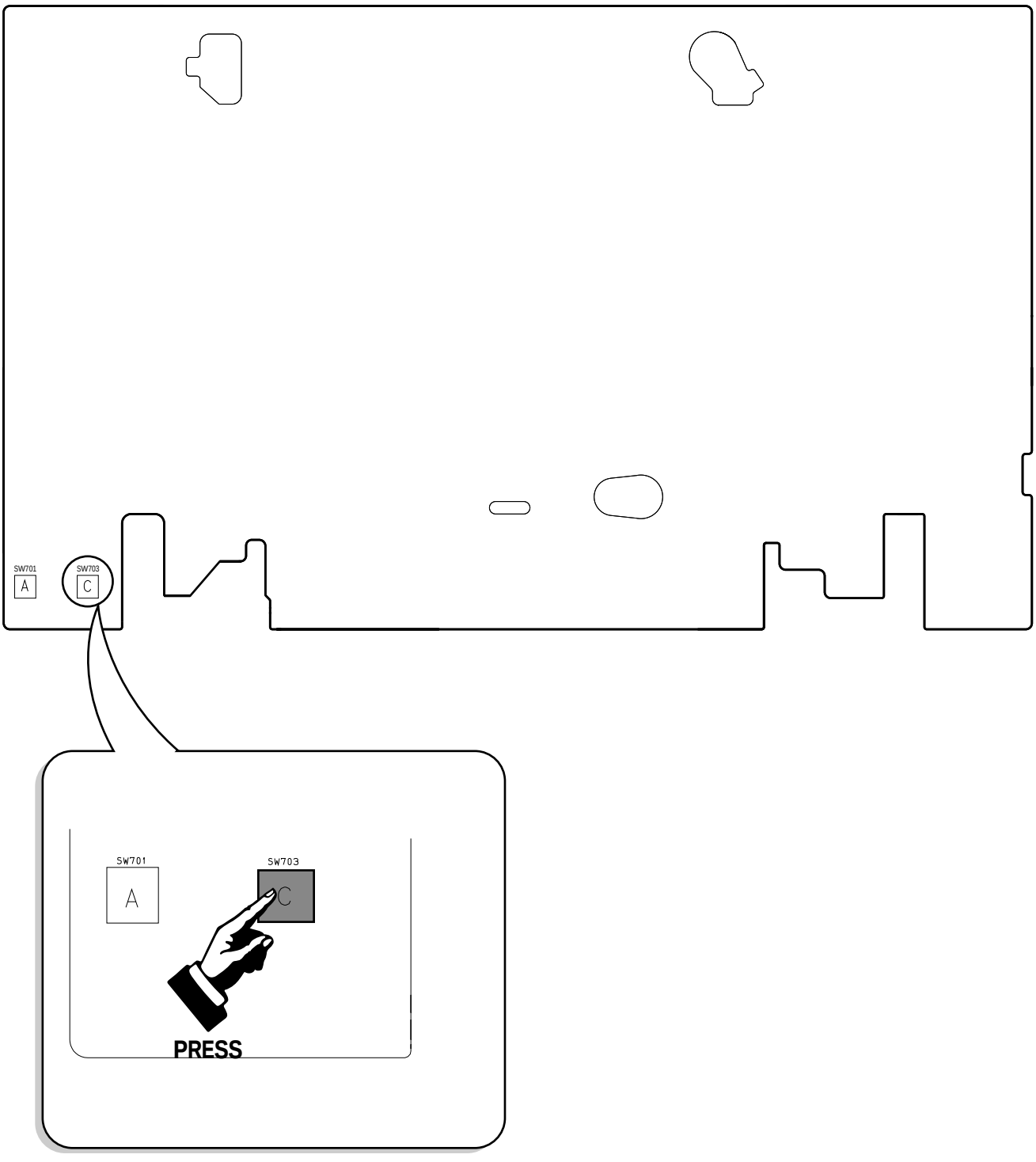


Fig. 5-2 Main PCB (Top View)

5-2 Mechanical Adjustment

5-2-1 Tape Transport System and Adjustment Locations

The tape transport system has been adjusted precisely in the factory. Alignment is not necessary except for the following :
1) Noise observed on the screen.
2) Tape damage.
3) Parts replacement in the tape transport system.

Lower flange height of tape guide is used as the reference for the transport adjustment.
To maintain the height of the tape guide and prevent damage, do not apply excessive force onto the main base.

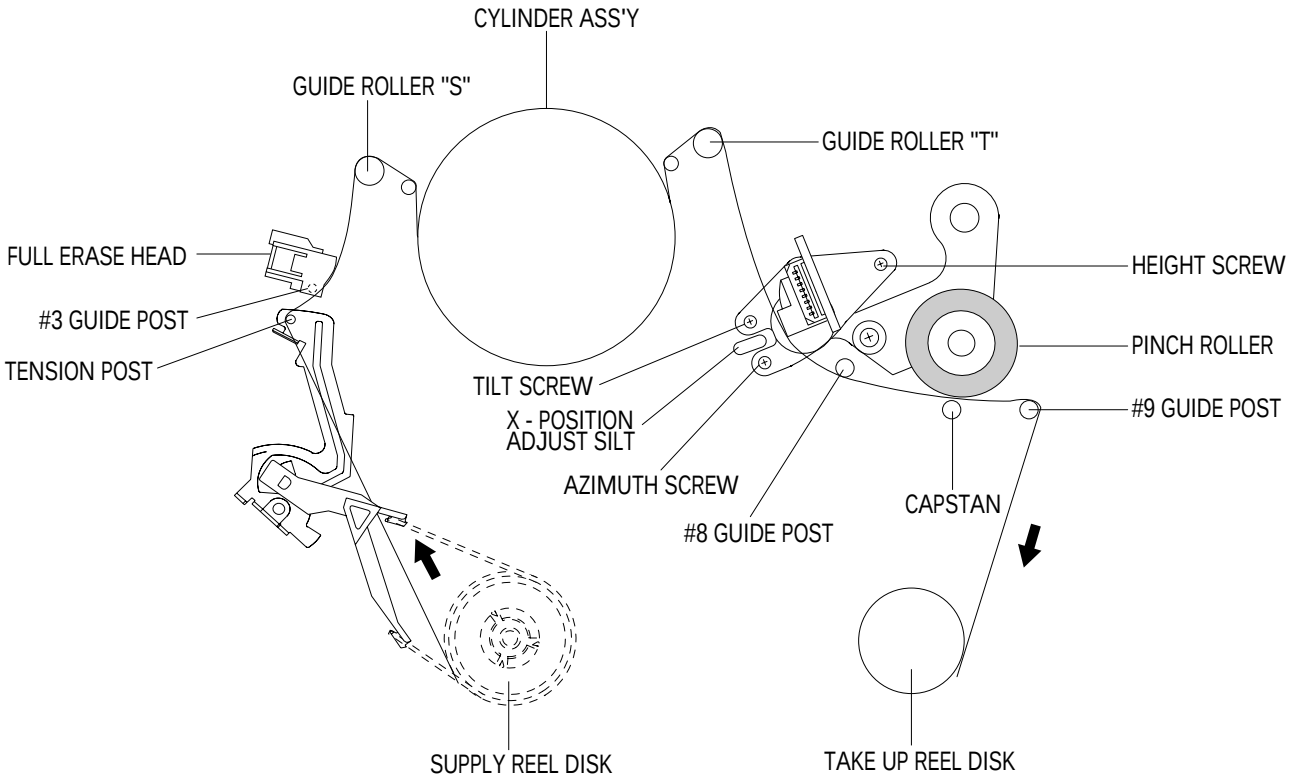


Fig. 5-3 Location of Tape Transport Adjustment

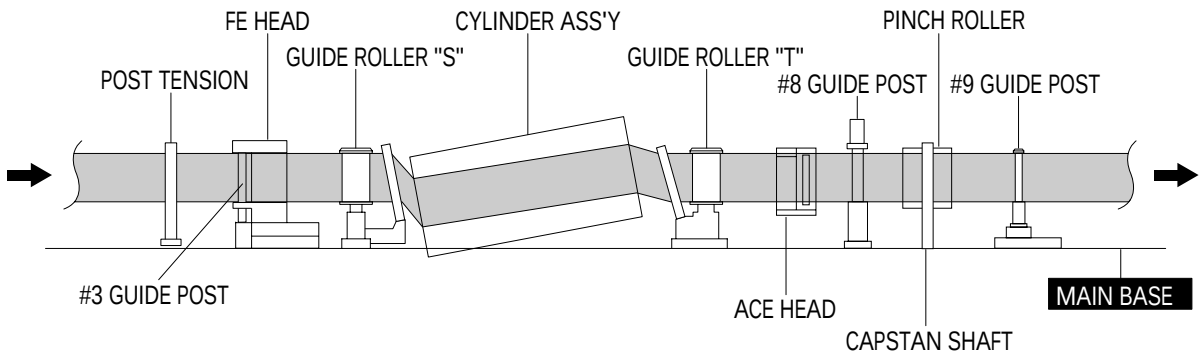


Fig. 5-4 Tape Travel Diagram

5-2-2 Tape Transport System Adjustment

When parts are replaced, perform the required adjustments by referring to precedures for the tape transport system. If there are any changes to the tape path, first run a T-120 tape and make sure excessive tape wrinkle does not occur at the tape guides.

1) If tape wrinkle is observed at the guide roller S, T, turn the guide roller S, T until wrinkle disappears.
2) If the tape wrinkle is still observed at the tape guide, perform the tilt adjustment of the ACE head.

(1) ACE Head Assembly Adjustment

Test point :	TP601 (Control Pulse)
	TP602 (H'D S/W -Trigger)
	TP301 (Envelope)
	TP302 (Audio output)
	TP303 (Video output)
Test tape :	ST-N1
	BLANK TAPE : T-160

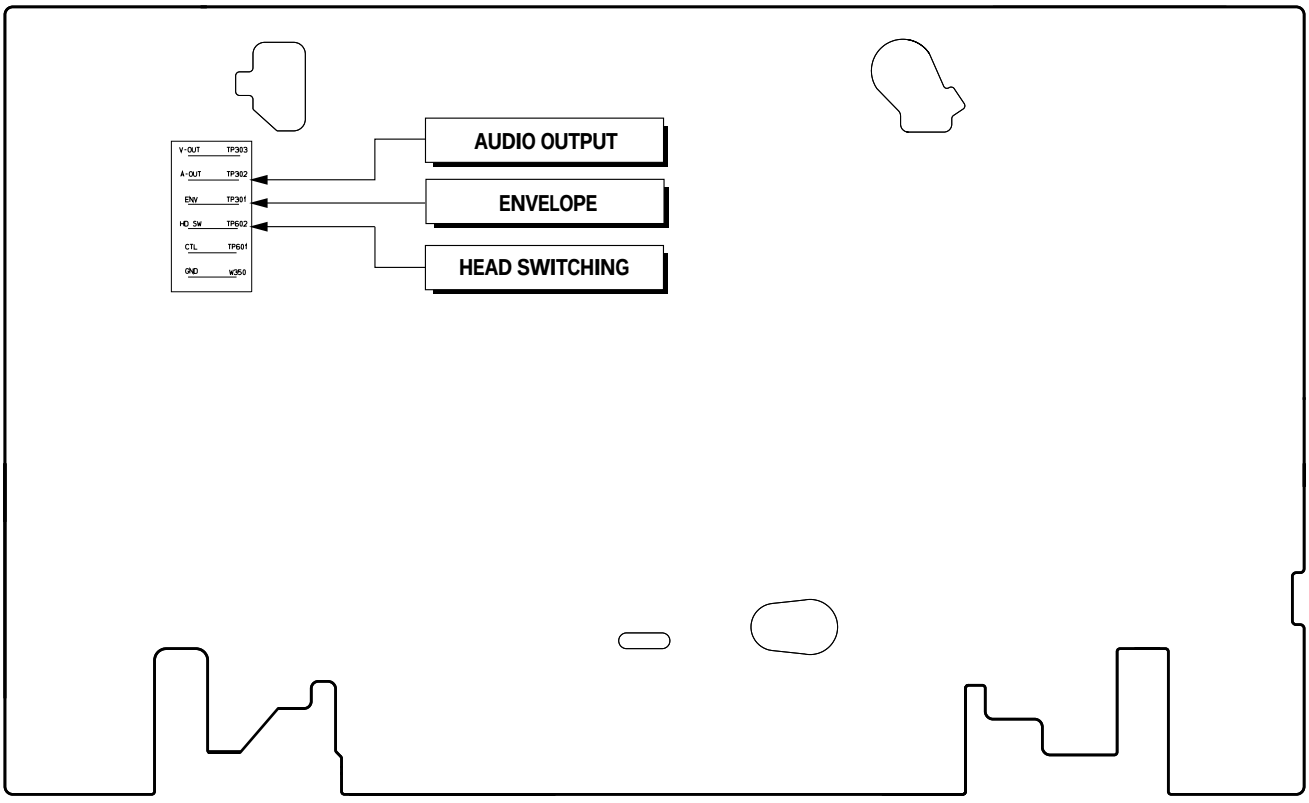


Fig. 5-5 Location of Test point (Main PCB-Top View)

a. ACE HEAD HEIGHT ADJUSTMENT

1) Run the alignment tape (Color bar) in the playback mode.
2) Observe surface of the audio head using a dental mirror.
3) Turn screw (C) clockwise or counterclockwise until the gap of lower tape edge and the lower edge of the control head is about 0.25mm.
(Refer to Fig. 5-6 and 5-7)

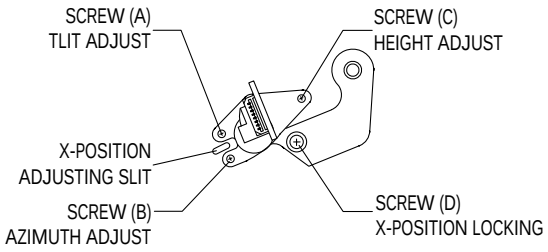


Fig. 5-6 Location of ACE Head Adjustment Screw

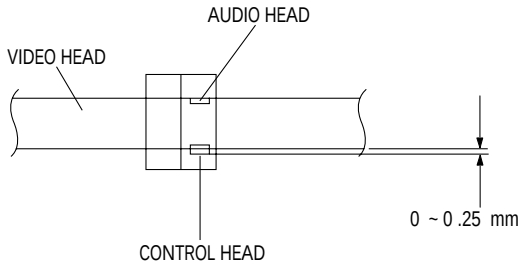


Fig. 5-7 ACE Head Height Adjustment

b. ACE HEAD TILT ADJUSTMENT

1) Playback a blank tape and observe the position of the tape at the lower flange of tape guide.
2) Confirm that there is no curl or wrinkle at the lower flange of tape guide as shown in Fig. 5-8 (B).
3) If a curl or wrinkle of the tape occurrs, slightly turn the screw (A) tilt adjust on the ACE head ass'y.
4) Reconfirm the ACE head height.

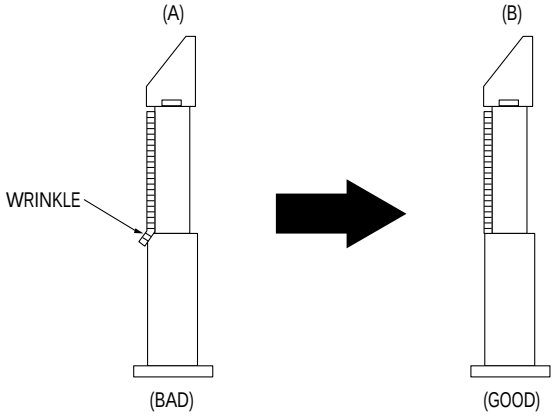


Fig. 5-8 Tape Guide Check

c. AUDIO AZIMUTH ADJUSTMENT

1) Load alignment tape (Mono scope) and playback the 6KHz signal.
2) Connect channel-1 scope probe to audio output test point (TP302).
3) Adjust screw (B) to achieve maximum audio level. (See Fig. 5-6)

d. ACE HEAD POSITION (X-POINT) ADJUSTMENT

1) Playback the alignment tape (Color bar).
2) Press the "SW703" button on Main PCB to set the adjustment mode. (See Fig. 5-2)
3) Press the "5" button of remote control then adjustment is operated automatically. (See Fig. 5-1)
4) Connect the CH-1 probe to TP303 (Envelope) the CH-2 probe to TP601 (H'D switching pulse) and then trigger to CH-1.
5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.
6) Turn the Power off.

(2) Linearity adjustment (Guide roller S, T adjustment)

1) Playback the Mono Scope alignment tape (SP mode).
2) Observe the video envelope signal on an oscilloscope (triggered by the video switching pulse).
3) Make sure the video envelope waveform (at its minimum) meets the specification shown in Fig. 5-9.
   If it does not, adjust as follows :

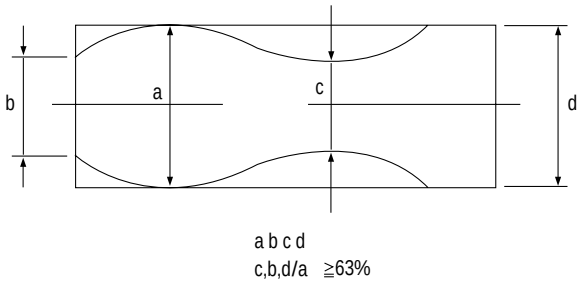


Fig. 5-9 Envelope Waveform Adjustment

Note :
a=Maximum output of the video RF envelope.
b=Minimum output of the video RF envelope at the entrance side.
c=Minimum output of the video RF envelope at the center point.
d=Maximum output of the video RF envelope at the exit side.

4) If the section A in Fig. 5-10 does not meet the specification, adjust the guide roller S up or down.
5) If the section B in Fig. 5-10 does not meet the specification, adjust the guide roller T up or down.

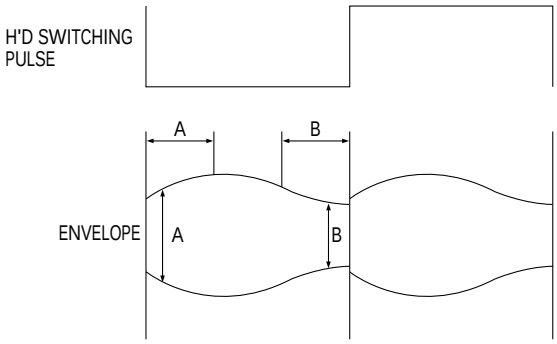


Fig. 5-10 Adjustment Points

6) Play back the Mono Scope alignment tape (SP mode).
7) Connect an oscilloscope CH-1 to the Envelope and CH-2 to the H'D SW Pulse for triggering.
8) Turn the guide roller heads with a flat head (▬) driver to obtain a flat video RF envelope as shown in Fig. 5-11.

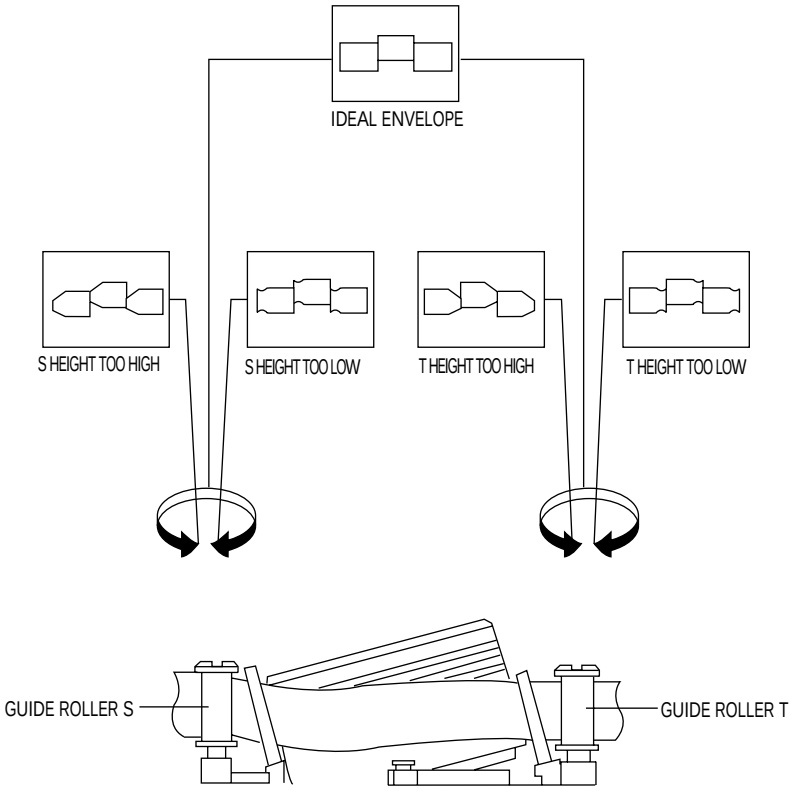


Fig. 5-11 Guide Roller S, T Height Adjustment

(3) Check Transitional Operation from RPS to Play

Check transition from RPS mode to play mode :
Using a pre-recorded SP tape, make sure the entry side of envelope comes to an appropriate steady state within 3 seconds (as shown in Fig. 5-12).
If the envelope waveform does not reach specified peak-to peak amplitude within 3 seconds, adjust as follows :

1) Make sure there is no gap between the supply roller lower flange and the tape.
   If there is a gap, adjust the supply guide roller again.
2) Change operation mode from the RPS to the play mode (again) and make sure the entry side of envelope rises within 3 second.

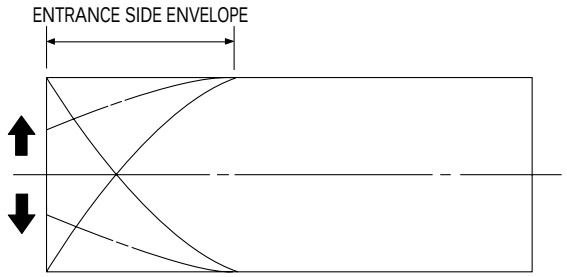


Fig. 5-12 Video Envelope Rising when Operation mode Changes from RPS to Play Mode

(4) Envelope Check

1) Make recordings on T-120 (E-120) and T-160 (E-180) tape.
   Make sure the playback output envelope meets the specification as shown in Fig. 5-13.
2) Play back a self recorded tape (recording made on the unit using with T-120 (E-120).
   The video envelope should meet the specification as shown in Fig. 5-13.
   In SP mode, (A) should equal (B).
   If the head gap is wide, upper cylinder should be checked.

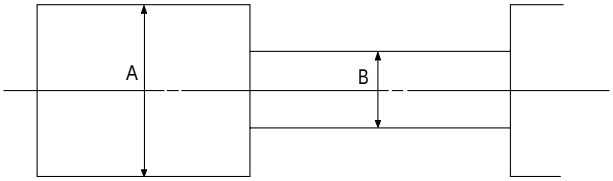


Fig. 5-13 Envelope Output and Output Level

(5) Tape Wrinkle Check

1) Run the T-160 (E-180) tape in the playback, FPS, RPS and Pause modes and observe tape wrinkle at each guide.
2) If excessive tape wrinkle is observed, perform the following adjustments in Playback mode :

- Tape wrinkle at the guide roller S, T section : Linearity adjustment.
- Tape wrinkle at tape guide flange : ACE head assembly coarse adjustment.

5-2-3 Reel Torque

1) The rotation of the capstan motor causes the Holder Clutch Ass'y to rotate through the Belt Pulley.
2) The spring wrap PLAY / REV of holder clutch ass'y drives the disk reel S, T through gear idle by rotation of gear center ass'y.
3) Brake is operated by slider cam at FF / REW mode.
4) Transportation of accurate driving force is done by gears. (Gear Center Ass'y)

Note : If the spec. does not meet the followings specifications, replace the holder clutch ass'y and then recheck.

<Table 5-1>

MODE	TORQUE g/cm	GAUGE
PB	42 ± 11	Cassette Torquemeter
RPS	145 ± 30	Cassette Torquemeter

5-3 Head Switching Point Adjustment

1) Playback the alignment tape.
2) Press the “SW703” button on Main PCB with pincers to set the adjustment mode. (See Fig. 5-2)
3) Press the “SP/LP” button of remote control then adjustment is operated automatically. (See Fig. 5-1)
4) Turn the Power off.

5-4 NVRAM Option Setting

1) NVRAM Option is adjusted at production line basically.
2) In case Micom (IC601) and NVRAM (IC605 ; EEPROM) is replaced, be sure to set the corresponding ooption number of the repaired model. (If the option is not set, the unit is not operated.)

1) Press the “SW703” button on Main PCB to set the adjustment mode. (See Fig. 5-2)
2) Press the “MENU” button on the remote control about 5 seconds then option setting display is appeared. (See Fig. 5-14)
3) Select the option number (See Table 5-2) of corresponding model with “CURSOR” button on the remote control.
4) If selecting the option number is completed, press the “OK” button of remote control. (If “OK” button is pressed, the selected number is changes reversed color. ; See Fig. 5-14)
5) Press the “MENU” button of remote control again to store the option number. (“PLEASE WAIT” is displayed for a second as shown Fig. 5-15 and this setting is completed.)
6) Turn the Power off.

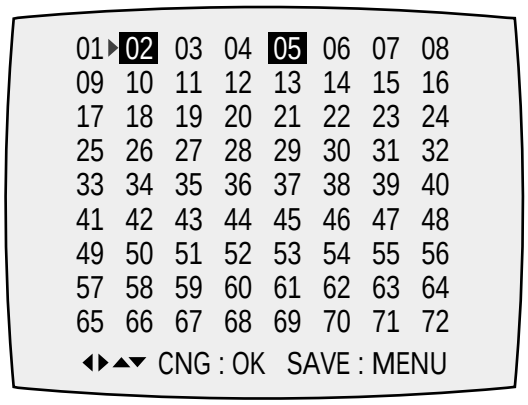


Fig. 5-14

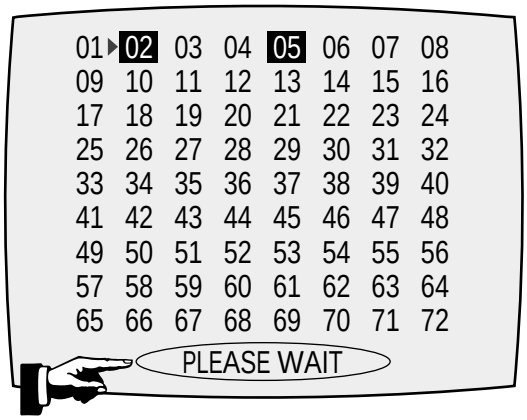


Fig. 5-15

<Table 5-2>

MODEL	OPTION NUMBER
V-634UK	5, 6, 8, 9, 10, 11, 12, 14, 18, 27, 33, 38, 40, 41, 46, 49, 50, 53, 61, 62, 63, 72

6. Exploded View

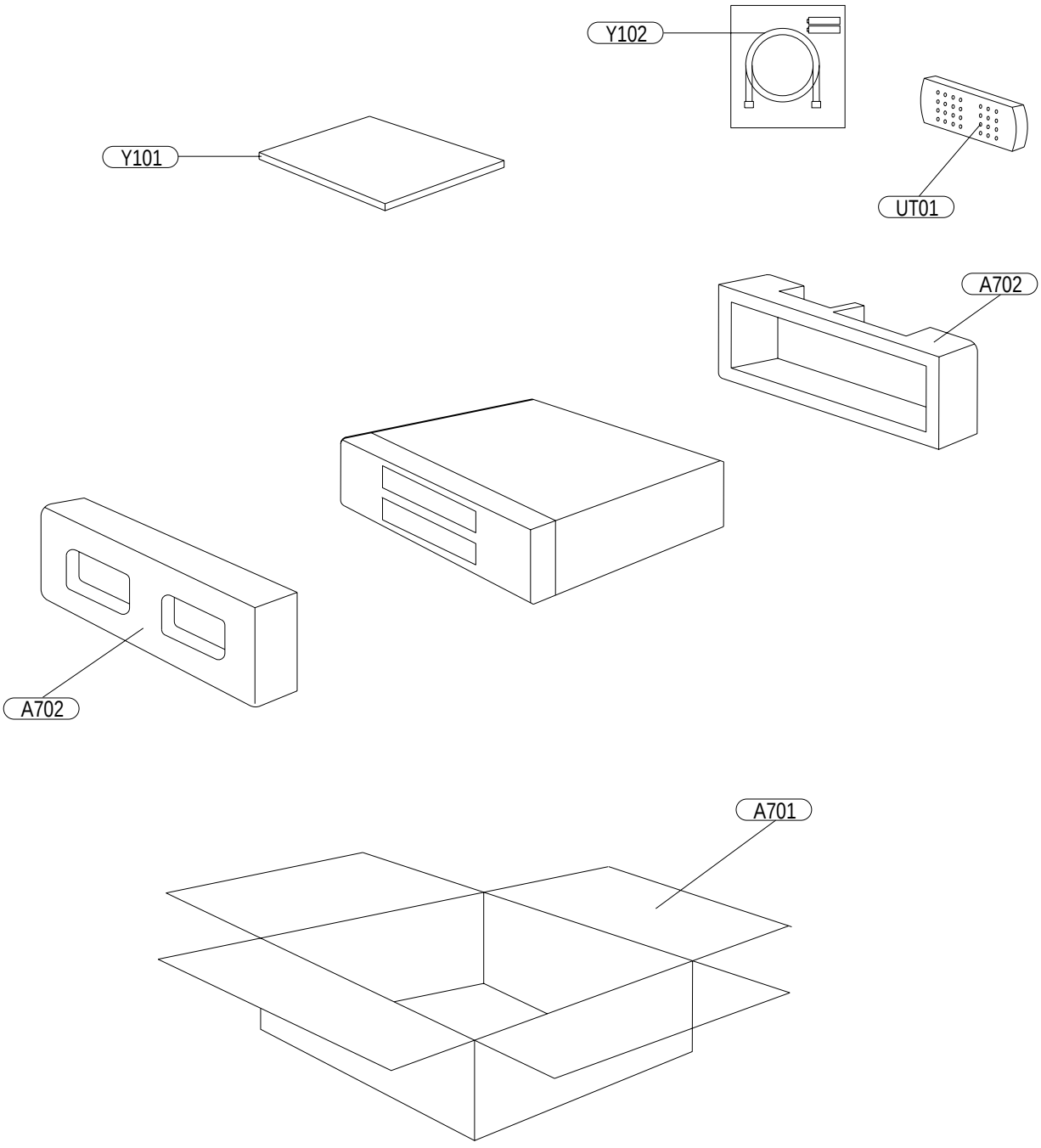
6-1 Packing Assembly - 6-2

6-2 Instrument Assembly - 6-3

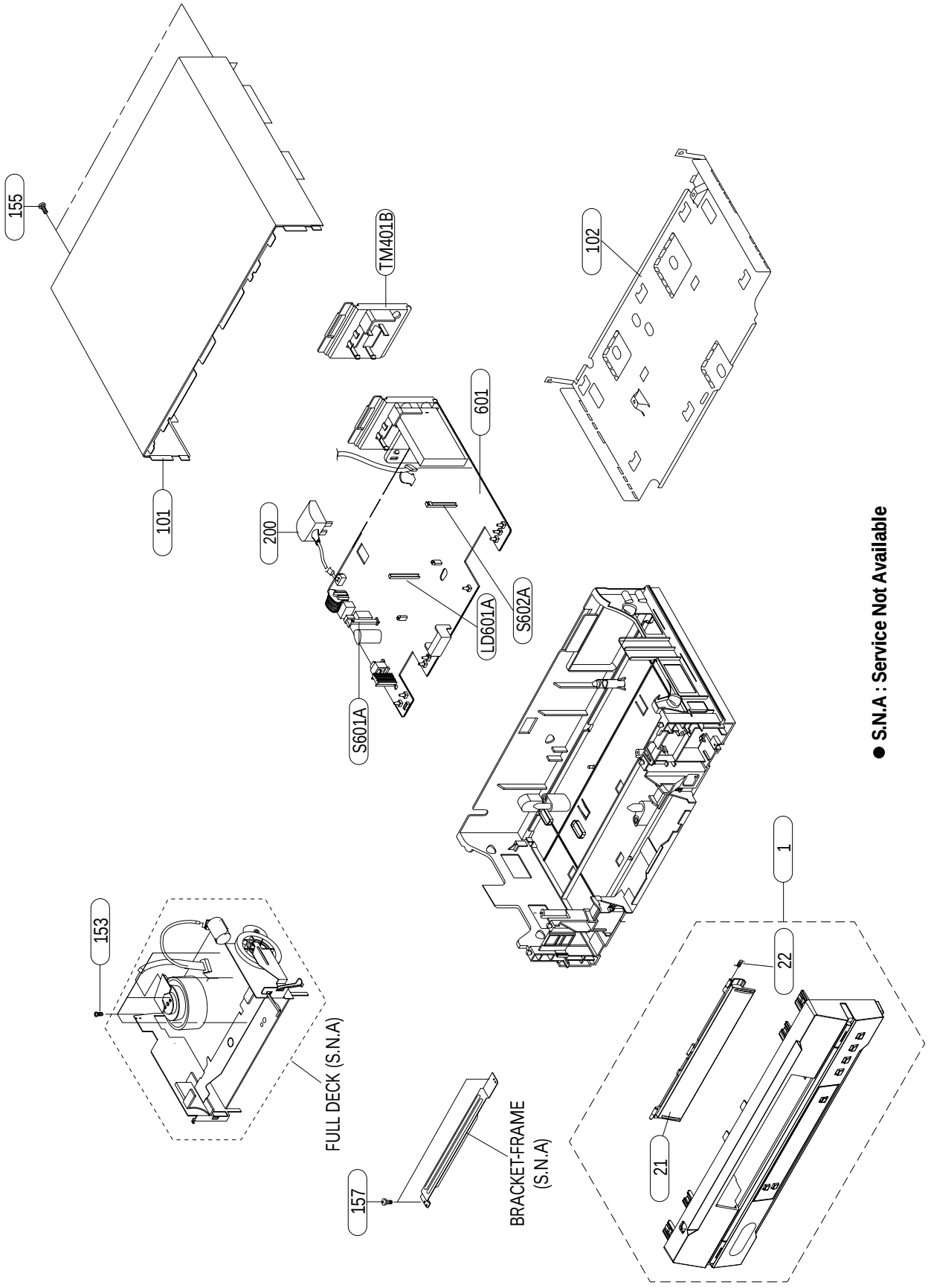
6-3 Mechanical Parts (Top Side) - 6-4

6-4 Mechanical Parts (Bottom Side) - 6-5

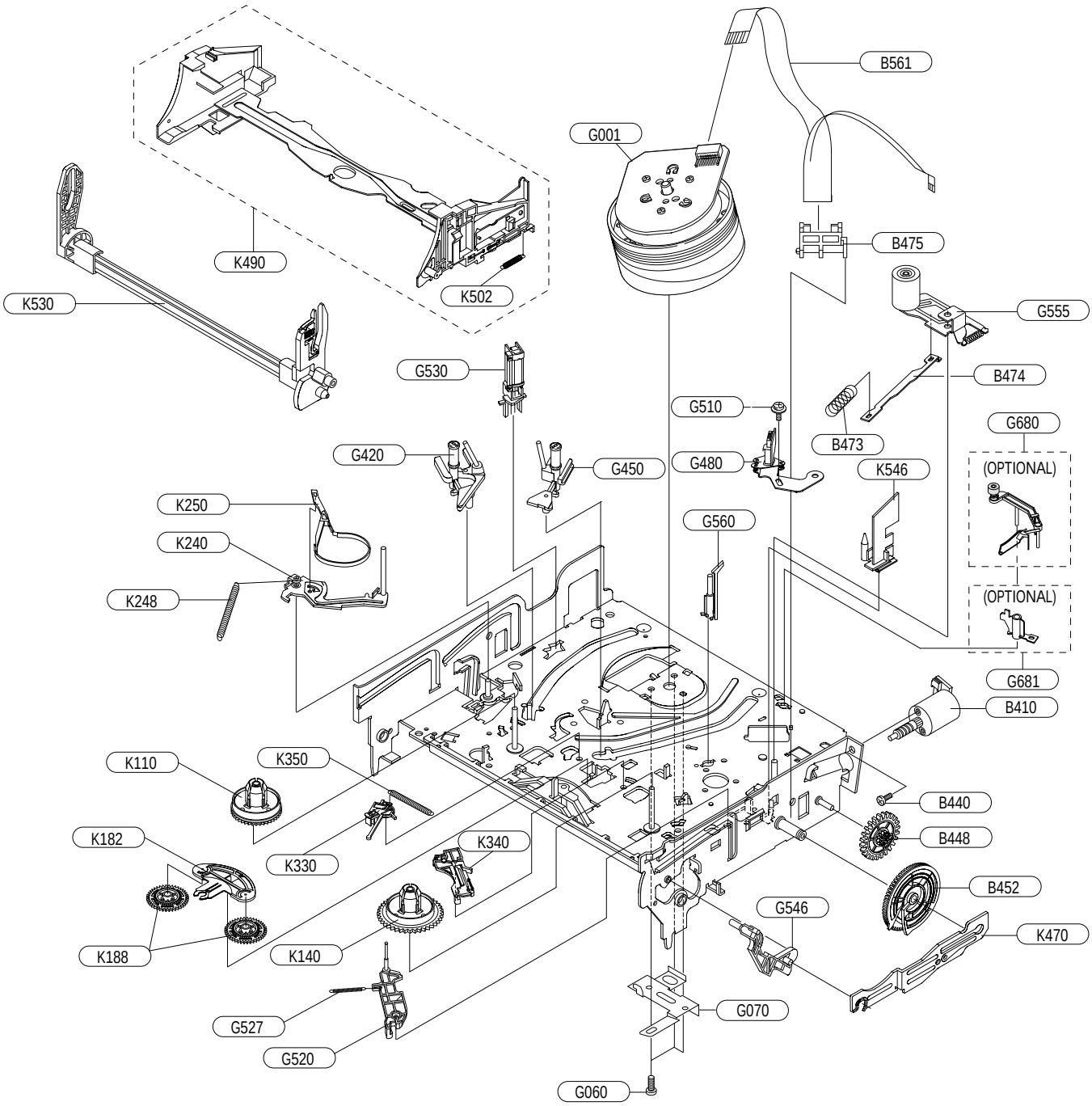
6-1 Packing Assembly



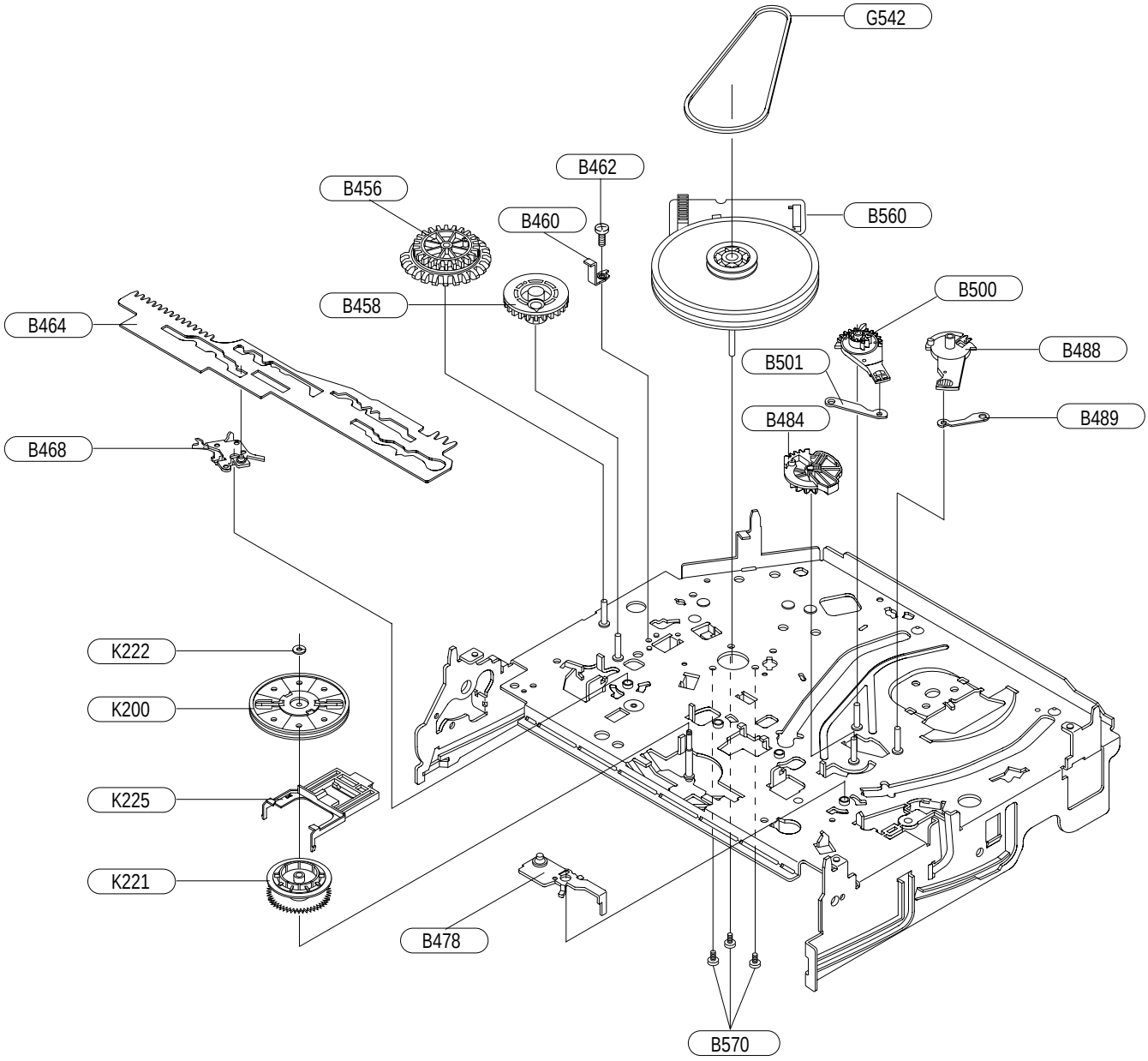
6-2 Instrument Assembly



6-3 Mechanical Parts (Top Side)



6-4 Mechanical Parts (Bottom Side)



MEMO

7. Replacement Parts List

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
- PACKING PARTS -				
A701	BY731588	AC69-00387B	PACKING CASE;V-634UK/TSB,-,-,-,W428,L326	
A702	BY730464	AC69-00041A	CUSHION-F/B;M-656/TSB,EPS,-,-,-,-,-	
UT01	BY731307	AC59-00063F	REMOCON-ASSY;V-642UK/TSB,TOSHIBA,-,-,-,-	
Y101	BY634815	AC68-02123A	MANUAL USERS;V-754UK,TSB,ENGLISH,-,-,-,-	
Y102	BY634253	AC39-00017A	CABLE-ETC-RF(PAL);-,MALE/FEMALE,1200MM,R	
- INSTRUMENT PARTS -				
1	BY731589	AC97-02339B	ASSY-FRONT PANEL;HIPS 94HB,V-634UK/TSB,-	
21	BY731587	AC64-01389M	DOOR-CASSETTE;V-634UK/TSB,ABS94HB,-,-,-,	
22	BY730093	AC61-62032A	SPRING ETC-MASK;SV-C130,SUS,4.4,-,-,-,-	
101	BY731541	AC64-01054P	CABINET-TOP;PAL360 NONE BRAND,PCM(SECC),	
102	BY731112	AC63-00074A	COVER-BOTTOM;SV-653F,SECC,T0.5,-,-,-,-,-	
153	70790218	AC60-12126A	SCREW-MACHINE;-,-,FE,FZY,BH,-,-,4*12,-,-	
155	70693578	AC60-12131A	SCREW-TAPTITE;-,-,-,FE,-,3X10,-,-,FZY,-	
157	22709856	6003-000277	SCREW-TAPTITE;BH,+,B,M3,L12,ZPC(YEL),SWR	
200	BY634814	3903-000175	CBF-POWER CORD;AT,GB,GP2,HOUSING(2P),250	
CN3A1S	BY634415	3809-001206	CABLE-FLAT;30V,-20to+80C,140mm,6P,1.25mm	
LD601A	BY730082	AC61-21009A	HOLDER-LED;X-9,POM(M90-44),-,-,-,BLK,-	
S601A	BY731054	AC61-00229A	HOLDER-SENSOR;SCORPIO2,POM,-,-,-,BLACK,-	
S602A	BY731054	AC61-00229A	HOLDER-SENSOR;SCORPIO2,POM,-,-,-,BLACK,-	
TM401B	BY730989	AC61-00152A	CHASSIS-ASSY;V-611UK,HIPS94HB(MOLD),T2,-	
- MECHANICAL PARTS -				
B410	BY631184	AC31-00018A	MOTOR-LOADING ASSY;-,SCORPIO2(TS-10A),-,	
B440	BY731536	6001-001711	SCREW-MACHINE;PH,+,M3,L3.3,ZPC(YEL)	
B448	BY730743	AC66-00008A	GEAR-WORM WHEEL;TS-10,POM,0.8,40,-,NAT,3	
B452	BY730745	AC66-00011A	GEAR-FL CAM;TS-10,POM,0.8,59,-,BLK,48.48	
B456	BY730744	AC66-00009A	GEAR-JOINT 1;TS-10,POM,1.5,17.5(22),-,NA	
B458	BY730746	AC66-00012A	GEAR-JOINT 2;TS-10,POM,1.0,23,-,BLK,24.6	
B460	BY730851	AC61-00090A	BRACKET-GEAR;TS-10,SECC E20/20,T0.8,W280	
B462	BY731520	6003-001450	SCREW-TAPTITE;PH,+,S,M2.6,L5,ZPC(YEL)	
B464	BY730749	AC66-00019A	SLIDER-CAM;TS-10,SECC ,T1.2,-,-,SIL,-	
B468	BY730748	AC66-00017A	LEVER-PINCH DRIVE;TS-10,SECC E20/20,1.0	
B473	BY730723	AC61-00105A	SPRING ETC-PINCH DRIVE;TS-10,SUS304-WPB,	
B474	BY730244	AC61-30180A	PLATE-JOINT;X-9,SECC20/20,T0.8,-,-,-,-	
B475	BY730721	AC47-00002A	DAMPER-CAPSTAN;TS-10,POM,-,-,BLACK	
B478	BY730747	AC66-00016A	LEVER-TENSION DRIVE;TS-10,SECC E20/20,1	
B484	BY730755	AC66-00030A	GEAR-LOADING DR. ASS'Y;TS-10,POM+SWPB,-,	
B488	BY730753	AC66-00023A	LEVER-S LOADING;TS-10,POM,-,-,-,-,NAT,-	
B489	BY730751	AC66-00021A	LINK-LOADING S;TS-10,SECC E20/20,0.8,-,-	
B500	BY730754	AC66-00024A	LEVER-T LOADING;TS-10,POM,-,-,-,-,NAT,-	
B501	BY730752	AC66-00022A	LINK-LOADING T;TS-10,SECC E20/20,0.8,-,-	
B560	BY731539	AC31-00022A	MOTOR BLOWER-CAPSTAN;DMVCMC10A, F2QVB35	
B561	BY634771	3809-001429	CABLE-FLAT;30V,80C,140MM,10P,1.25MM,UL28	
B570	BY731519	6003-000108	SCREW-TAPTITE;BH,+,B,M2.6,L6,ZPC(YEL),SW	
G001	BY731383	AC97-02038A	ASSY-CYLINDER;PAL,6H'D,CTS9-SEM (6P),SEM	
G060	BY634416	6006-001092	SCREW-MACHINE;WS,PH,+,M3.0,L6.0,ZPC(YEL)	
G070	BY730728	AC61-00161A	PLATE-GROUND DECK;TS-10,SPTE,T0.3,-,-,-,	
G420	BY730124	AC66-80142A	SLIDER-SUPPLY ASSY;X-9,SUS,-,-,-,SIL,-	
G450	BY730123	AC66-80141A	SLIDER-TAKE UP ASSY;X-9,SUS,-,-,-,SIL,-	
G480	BY630248	AC97-01660A	ASSY-HEAD ACE;-,SCORPIO2(TS-10A),VTR-1*2	
G510	BY730479	6006-001075	SCREW-TAPTITE;WSP,PH,+,M2.6,L5.0,ZPC(YEL	
G520	BY731526	AC66-00074A	LEVER-GUIDE(#9);TS-9,PPS,-,-,-,-,BLK,KHA	
G527	BY730088	AC61-60553A	SPRING ETC-GUIDE 9;X-9,SUS304-WPB,0.25,-	
G530	BY730775	AC33-00007A	HEAD-FE;-,-,HVFHPOO43A,-,-	
G542	BY730122	AC66-60051A	BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9	
G546	BY730741	AC66-00005A	LEVER-FL DOOR;TS-10,POM,-,-,-,-,NAT,-	
G555	BY731528	AC97-02293A	ASSY-UNIT PINCH;SECC+SUS304,TS-10,FOR X-	
G560	BY731088	AC61-00122A	POST-#8 GUIDE ASS'Y;TS-10,POM+SUS 303,-,	
K110	BY730102	AC66-10267A	REEL-DISK S;X-9,POM,-,-,-,-,-,-	
K140	BY730103	AC66-10268A	REEL-DISK T;X-9,POM,-,-,-,-,-,-	
K182	BY730112	AC66-30524A	LEVER-IDLER;-,POM,-,-,-,-,BLK,-	
K188	BY730760	AC66-00039A	GEAR-IDLE;TS-10,PET K3372,0.5,-,-,NTR,28	
K200	BY731531	AC97-02390A	ASSY-HOLDER CLUTCH;-,KHAN,TS9A(SONY),TS9	
K221	BY730111	AC66-20581A	GEAR-CENTER ASSY;X-9,POM,M=O.5,-,-,GRY,-	
K222	BY730076	AC60-30306A	FASTENER-WASHER SLIT;-,-,ID2.1,OD5.0,T0.	
K225	BY730742	AC66-00006A	LEVER-UP DOWN;TS-10,POM,-,-,-,-,NAT,-	
K240	BY730759	AC66-00035A	LEVER-TENSION ASS'Y;TS-10,SECC E20/20+SU	

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
K248	BY730725	AC61-00107A	SPRING ETC-TENSION LEVER;TS-10,SUS304-WP	
K250	BY730762	AC69-00104A	BAND-BRAKE ASS'Y;TS-10,-,-,-,-,-,-	
K330	BY730121	AC66-30550A	LEVER-S.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K340	BY730120	AC66-30549A	LEVER-T.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K350	BY730724	AC61-00106A	SPRING ETC-BRAKE;TS-10,SUS304-WPB,-,-,-,	
K470	BY730750	AC66-00020A	SLIDER-FL DRIVE;TS-10,SECC ,T1.0,-,-,SIL	
K490	BY730726	AC61-00120A	HOLDER-FL CASS. ASS'Y;TS-10,-,-,-,-,-,-	
K502	BY730091	AC61-60561A	SPRING ETC-FL.LEVER-LR;X-9,SUS304 WPB,OD	
K530	BY730758	AC66-00034A	LEVER-FL ARM ASS'Y;TS-10,-,-,-,-,-,-	
K546	BY730086	AC61-50658A	GUIDE-CASS. DOOR;X-9,POM,-,-,-,NTR	

- ELECTRICAL PARTS -

601	BY630379	AC92-01537G	ASSY PCB-MAIN;V-634UK/TSB,TS9A,HIFI,NICA	
< INTEGRATED CIRCUITS >				
IC1SF1	BY631209	1203-002730	IC-PWM CONTROLLER;ICE2B0565,PDIP,8P,9.52	
IC1SS1	BY530004	0604-001028	PHOTO-COUPLER;TR,50-600%,250mW,DIP-4,ST	⚠
IC1SS2	70795271	AC14-12006D	IC;KA431Z,TO-92,TAPING	
IC301	BY631205	1204-002140	IC-VIDEO PROCESS;LA71750EM-MPB-E,QFP,100	
IC4N01	BY631149	1204-001765	IC-AUDIO PROCESSOR;MSP3417D(PQFP),PQFP,4	
IC501	BY631189	1204-001920	IC-AUDIO PROCESSOR;LA72646M,QFP,80P,14x1	
IC601	BY631210	AC09-00513A	IC MICOM;N128-B57-3BA,V-754EF-01,100PIN	
IC604	70795269	AC14-12006C	IC;KA7533,DIP,-	
IC605	BY631127	1103-001171	IC-EEPROM;24C161,2Kx8,DIP,8P,9.2x6.4mm,2	
IC6P01	BY631157	1204-001794	IC-AUDIO PROCESSOR;LC74775NM-9808,MPF,30	
IC701	BY631188	1003-001443	IC-LED DRIVER;PT6959,SOIC,28P,300MIL,-,-	
< TRANSISTORS >				
PT601	BY530048	0604-001206	PHOTO-INTERRUPTER;TR,-,150mW,CY5894102,B	
PT602	BY530048	0604-001206	PHOTO-INTERRUPTER;TR,-,150mW,CY5894102,B	
Q1P101	BY530008	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000MW,TO	
Q1P102	BY530008	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000MW,TO	
Q1P103	BY530008	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000MW,TO	
Q1P104	70693410	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
Q1P105	70795137	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K/4.7K,T	
Q1P106	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q1P107	70693084	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q1P108	BY530008	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000MW,TO	
Q350	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3A01	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q3A02	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3A03	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,T0-9	
Q3A04	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,T0-9	
Q3A05	70795142	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,T0-9	
Q3A06	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q401	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q601	BY530014	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
Q603	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q6P01	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q6P02	70795134	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q802	BY530014	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
Q803	BY530014	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
Q804	70693084	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q806	70693084	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q809	70795136	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
S601	BY530003	0603-001011	PHOTO TR;NPN,35V,6V,50mA,75mW,BK	
S602	BY530003	0603-001011	PHOTO TR;NPN,35V,6V,50mA,75mW,BK	
< DIODES >				
D1P101	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D1P102	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D1P103	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D1SD10	BY430011	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	
D1SD31	BY430011	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	
D1SF11	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SF12	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS01	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS02	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS03	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS04	BY430012	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS11	BY430047	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	
D1SS31	BY430011	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	
D1SS32	BY430010	0402-001194	DIODE-RECTIFIER;SHG2D,200V,2A,-,TP	
D1SS33	BY430051	0404-001097	DIODE-SCHOTTKY;SG45,45V,7500MA,TO-220A,B	

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
D301	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D302	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D410	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D4N01	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D4N02	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D603	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D605	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D612	70796385	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D701	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D702	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D703	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D704	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
D805	70795150	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
ZD1P01	BY430005	0403-000717	DIODE-ZENER;MTZJ5.1B,4.94-5.2V,500MW,DO-	
ZD1P02	BY430005	0403-000717	DIODE-ZENER;MTZJ5.1B,4.94-5.2V,500MW,DO-	
ZD1P03	BY430013	0403-000720	DIODE-ZENER;MTZJ9.1B,8.57-9.01V,500MW,DO	
ZD1P04	BY430013	0403-000720	DIODE-ZENER;MTZJ9.1B,8.57-9.01V,500MW,DO	
ZD1SF1	BY430107	0403-001318	DIODE-ZENER;MTZJ4.3B,4.17-4.43V,500MW,DO	
ZD1SF2	BY430106	0403-000752	DIODE-ZENER;MTZJ22C,21.08-22.17V,500MW,D	
ZD1SS1	70795438	0403-000571	DIODE-ZENER;UZP43B,40-46V,1000MW,DO-41,T	
ZD401	70795272	0403-000390	DIODE-ZENER;UZP33B,31.4-34.6V,1000MW,DO-	
ZD801	BY430024	0403-000297	DIODE-ZENER;MTZ6.2B,5.96-6.27V,500mW,DO-	
< INDUCTORS >				
BD1SD1	70795644	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-	
BD1SD2	70795644	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-	
BD1SD4	70795644	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-	
BD1SS1	70795644	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-	
BD1SS2	70795644	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-	
FL3A01	70795862	2702-000166	INDUCTOR-RADIAL;47uH,5%,6.0x6.4mm	
L1SS02	BY634272	AC29-00002A	FILTER LINE NOISE;-,30mH,-,-,BLF-2116	⚠
L1SS31	70796213	AC27-12001N	COIL CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
L1SS32	70796213	AC27-12001N	COIL CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
L301	BY330009	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
L302	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L370	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3A01	70795171	2702-000120	INDUCTOR-RADIAL;15000uH,5%,6.2x7.4mm	
L3A02	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3A03	BY330009	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
L402	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L4N01	BY330066	2702-000160	INDUCTOR-RADIAL;4.7uH,10%,6.0x6.4mm	
L4N02	70796003	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L4N03	BY330066	2702-000160	INDUCTOR-RADIAL;4.7uH,10%,6.0x6.4mm	
L4N04	70795644	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-	
L501	BY330009	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
L502	BY330019	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
L602	BY330009	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
L603	BY330009	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
L6P03	70795162	2701-000160	INDUCTOR-AXIAL;22uH,5%,2434	
L6P05	BY330052	2701-000165	INDUCTOR-AXIAL;27uH,5%,2434	
L701	BY330009	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
L803	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
L804	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
L807	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
L808	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
L809	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
L810	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
L811	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
L812	BY330053	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
L814	70795644	AC27-92001M	COIL-INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-	
W088	BY330009	2701-000002	INDUCTOR-AXIAL;100UH,10%,4298	
< CAPACITORS >				
C1P102	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P103	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P104	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C1P105	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P106	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P108	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C1P109	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P120	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1SD03	BY130216	2201-000812	C-CERAMIC,DISC;2.2NF,20%,400V,Y5U,BK,12.	
C1SD04	BY130216	2201-000812	C-CERAMIC,DISC;2.2NF,20%,400V,Y5U,BK,12.	
C1SD11	BY130289	2401-003303	C-AL;82uF,20%,400V,GP,BK,22X30,10	
C1SD12	BY130226	2305-001029	C-FILM,LEAD-PEF;10nF,10%,630V,TP,12x9x12	
C1SF11	BY130226	2305-001029	C-FILM,LEAD-PEF;10nF,10%,630V,TP,12x9x12	
C1SF12	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
C1SF13	BY130082	2301-000224	C-FILM,LEAD-PEF;22nF,5%,50V,TP,7.4x3.9x1	
C1SF14	BY130471	2401-002284	C-AL;33uF,20%,50V,GP,TP,5x11,5	
C1SF15	BY130470	2401-001728	C-AL;10uF,20%,35V,GP,TP,5x7,5	
C1SS01	BY130538	2301-001719	C-FILM,LEAD;100nF,10%,275V,TP,17.5*6*12m	⚠
C1SS02	BY130538	2301-001719	C-FILM,LEAD;100nF,10%,275V,TP,17.5*6*12m	⚠
C1SS12	BY130258	2201-000129	C-CERAMIC,DISC;0.1NF,10%,1KV,Y5P,TP,7X4M	
C1SS31	70795431	2401-000385	C-AL;10uF,20%,100V,GP,TP,6.3x11,5	
C1SS32	BY130187	2401-003137	C-AL;330UF,20%,50V,WT,TP,10X16MM,5	
C1SS33	BY130248	2401-003477	C-AL;330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS34	BY130248	2401-003477	C-AL;330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS35	BY130339	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	
C1SS36	70796210	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C1SS39	70796098	2301-000129	C-FILM,LEAD-PEF;100nF,5%,50V,TP,10X9X4.3	
C315	BY130293	2203-000989	C-CER,CHIP;47nF,10%,50V,X7R,TP,2012	
C317	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C318	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C319	BY130455	2203-002906	C-CER,CHIP;39nF,5%,50V,X7R,BK,1608	
C320	70795586	2301-000417	C-FILM,LEAD-PEF;24nF,5%,50V,TP,6.5x10.5x	
C321	70795974	2203-000609	C-CER,CHIP;22nF,10%,50V,X7R,TP,2012	
C322	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C324	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C325	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C326	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C327	BY130432	2202-000720	C-CERAMIC,MLC-AXIAL;8.2nF,20%,16V,Y5R,TP	
C328	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C329	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C330	BY130293	2203-000989	C-CER,CHIP;47nF,10%,50V,X7R,TP,2012	
C331	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
C332	BY130286	2202-002055	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	
C333	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C334	BY130293	2203-000989	C-CER,CHIP;47nF,10%,50V,X7R,TP,2012	
C335	BY130030	2203-000925	C-CER,CHIP;470NF,+80-20%,50V,Y5V,TP,2012	
C337	BY130030	2203-000925	C-CER,CHIP;470NF,+80-20%,50V,Y5V,TP,2012	
C338	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C339	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C340	BY130016	2401-001226	C-AL;4.7uF,20%,16V,BP,TP,4x7,5mm	
C341	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C342	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C343	BY130191	2203-000476	C-CER,CHIP;1000nF,+80-20%,16V,Y5V,-,2012	
C344	BY130441	2203-000315	C-CER,CHIP;0.12NF,5%,50V,C0G,TP,1608	
C345	BY130451	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
C346	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C347	BY130191	2203-000476	C-CER,CHIP;1000nF,+80-20%,16V,Y5V,-,2012	
C348	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C349	BY130191	2203-000476	C-CER,CHIP;1000nF,+80-20%,16V,Y5V,-,2012	
C350	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C351	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C352	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C353	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C354	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C355	BY130286	2202-002055	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	
C371	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C372	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C380	70693249	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C382	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C384	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C385	BY130015	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	
C3A01	70795626	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,5X7,5	
C3A02	BY130044	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
C3A08	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C3A09	BY130447	2203-001103	C-CER,CHIP;6.8nF,10%,50V,X7R,TP,1608,-	
C3A10	BY130448	2203-001211	C-CER,CHIP;8.2nF,10%,50V,X7R,TP,1608	
C3A11	BY130375	2301-000174	C-FILM,LEAD-PEF;15nF,5%,100V,TP,7.2x4.0x	
C3A12	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C3A14	BY130453	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C3A15	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C3A16	70795626	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,5X7,5	
C3A17	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C3A18	BY130449	2203-001222	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,1608	
C3A21	BY130450	2203-001554	C-CER,CHIP;1.8nF,10%,50V,X7R,TP,1608	
C3A23	BY130245	2401-002069	C-AL;33uF,20%,16V,GP,TP,6.3x5,5	
C3A24	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C3A29	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C3A30	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C3A40	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C3A41	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C401	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C402	BY130454	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C403	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
C404	BY130431	2401-001077	C-AL;330nF,20%,50V,GP,TP,4x7mm,5mm	
C405	BY130472	2401-002438	C-AL;47uF,20%,50V,WT,TP,6.3x11,5	
C406	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C407	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C409	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C410	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C411	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C412	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4N01	BY130459	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
C4N02	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C4N03	BY130451	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
C4N04	BY130424	2401-000665	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,5	
C4N05	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C4N06	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C4N07	BY130453	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C4N08	BY130459	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
C4N09	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C4N10	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C4N11	BY130159	2401-001020	C-AL;3.3UF,20%,50V,GP,TP,4X7,5	
C4N12	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4N13	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4N14	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C4N15	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C4N16	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C4N17	BY130453	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C4N18	BY130453	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C4N19	70693047	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C4N21	BY130261	2201-002069	C-CERAMIC,DISC;0.0015NF,0.25PF,50V,C0G,T	
C4N22	BY130261	2201-002069	C-CERAMIC,DISC;0.0015NF,0.25PF,50V,C0G,T	
C4N23	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C4N24	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C4N25	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C4N30	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C501	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C502	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C503	BY130044	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
C504	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C505	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C506	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C507	BY130044	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
C508	BY130457	2203-000052	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1608	
C510	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C511	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C513	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C517	BY130457	2203-000052	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1608	
C518	BY130044	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
C519	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C520	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C521	BY130273	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C522	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C523	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C524	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C525	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C526	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C527	70795075	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C529	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C530	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C535	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C536	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C537	BY130424	2401-000665	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,5	
C538	BY130424	2401-000665	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,5	
C541	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C542	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C601	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C602	BY130454	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C605	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C609	BY130454	2203-002398	C-CER,CHIP;22nF,10%,50V,X7R,TP,1608	
C618	BY130317	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
C620	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C622	BY130385	2203-001143	C-CER,CHIP;68nF,10%,50V,X7R,TP,2012	
C623	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C626	BY130444	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	
C627	BY130444	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,TP,1608	
C633	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C634	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C635	BY130443	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
C636	BY130443	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
C637	BY130453	2203-001656	C-CER,CHIP;0.47nF,5%,50V,NP0,TP,1608	
C638	70796152	2401-002196	C-AL;4.7uF,20,25V,GP,TP,4X5,5MM,0	

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
C639	BY130439	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C640	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C641	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C642	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C644	70693317	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
C646	BY130027	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C650	BY130443	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
C651	70795974	2203-000609	C-CER,CHIP;22nF,10%,50V,X7R,TP,2012	
C652	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C655	70795363	2202-000791	C-CERAMIC,MLC-AXIAL;150pF,10%,50V,Y5P,TP	
C680	70796210	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C681	BY130280	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C690	BY130293	2203-000989	C-CER,CHIP;47nF,10%,50V,X7R,TP,2012	
C691	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C692	BY130048	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C693	70796291	2401-001992	C-AL;2200UF,20%,10V,WT,TP,10X20MM,5	
C695	BY130442	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
C697	70795974	2203-000609	C-CER,CHIP;22nF,10%,50V,X7R,TP,2012	
C698	BY130460	2203-001634	C-CER,CHIP;33nF,10%,50V,X7R,TP,1608,1.6m	
C6P01	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C6P04	BY130154	2203-000683	C-CER,CHIP;0.027NF,5%,50V,C0G,TP,2012	
C6P05	BY130445	2203-000681	C-CER,CHIP;0.027NF,5%,50V,C0G,TP,1608	
C6P06	BY130462	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
C6P07	BY130136	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C6P08	BY130173	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C6P10	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C6P11	BY130042	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C6P12	BY130282	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C6P13	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C701	BY130015	2401-001479	C-AL;470uF,20%,10V,GP,TP,6.3*11mm,5	
C702	BY130440	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
C703	BY130167	2203-000444	C-CER,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C725	BY130456	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608,-	
C806	BY130439	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C822	BY130439	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C837	BY130435	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	
C838	BY130435	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	
C841	BY130439	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
C842	BY130435	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	
C843	BY130435	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	
C844	BY130435	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	
C845	BY130435	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	
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J301	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
J401	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
J501	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R1P101	BY230025	2001-000855	R-CARBON;560OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P102	BY230282	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
R1P103	70795019	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P104	70795683	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	
R1P105	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R1P106	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P107	BY230292	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
R1P108	BY230024	2001-000611	R-CARBON;3.9KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1P109	70795020	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P110	BY230276	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R1P115	70795025	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SD12	BZ230077	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SD16	BY230027	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R1SD31	70795019	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SD32	BY230019	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SF10	BY230209	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R1SF11	70693217	2001-000474	R-CARBON;2.7MOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1SF12	70693217	2001-000474	R-CARBON;2.7MOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1SF13	BY230209	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R1SF14	70795018	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SF15	70796275	2003-000119	R-METAL OXIDE;0.68ohm,5%,2W,AE,TP,6x16mm	
R1SS10	BY230170	2006-000262	R-CEMENT;2.7ohm,10%,2W,CB,TP,7.5x11x20.	
R1SS11	BY230027	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R1SS32	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R1SS33	70795640	2004-000869	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
R1SS34	70795638	2004-000459	R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m	
R315	BY230294	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
R316	BY230305	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	
R320	70795016	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R321	70795006	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R322	70795016	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

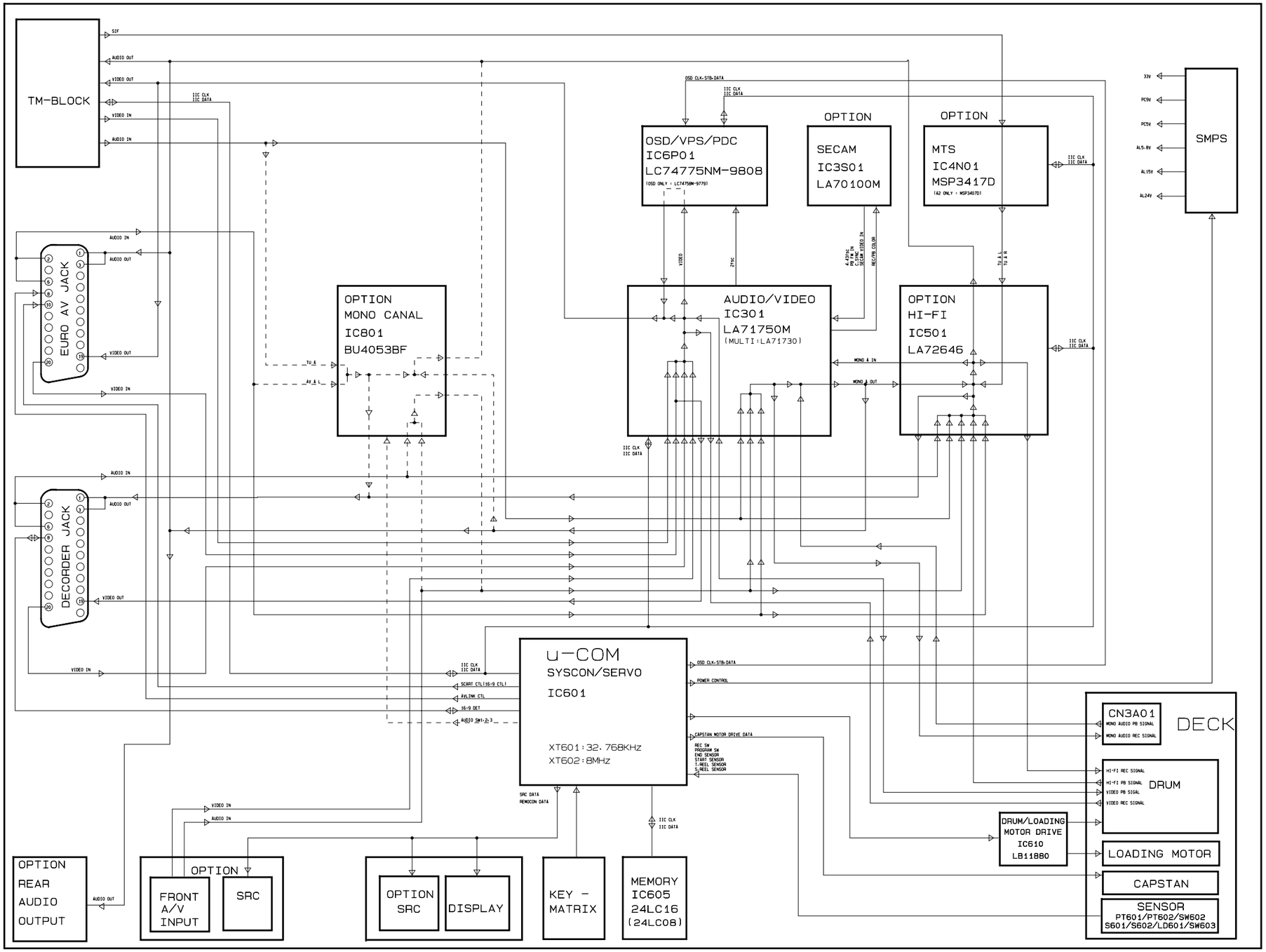
Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
R323	BY230296	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
R325	70795004	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R326	70795004	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R327	BY230282	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
R328	BY230294	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
R329	BY230281	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	
R330	BY230284	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	
R331	BY230280	2007-000079	R-CHIP;1.8Kohm,5%,1/10W,TP,1608	
R333	BY230291	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	
R334	BY230306	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	
R335	70795004	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R360	BY230309	2007-001196	R-CHIP;820Kohm,5%,1/10W,TP,1608	
R370	70795358	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R372	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R373	BY230287	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
R374	BY230276	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R3A01	70795006	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A04	70795519	2007-000221	R-CHIP;1.2Kohm,5%,1/8W,TP,2012	
R3A05	BY230300	2007-000616	R-CHIP;24Kohm,5%,1/10W,TP,1608	
R3A06	BY230299	2007-000450	R-CHIP;180ohm,5%,1/10W,TP,1608	
R3A07	BY230297	2007-000133	R-CHIP;330Kohm,5%,1/10W,TP,1608	
R3A08	BY230286	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	
R3A09	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R3A11	BY230295	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
R3A12	BY230276	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R3A13	BY230290	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
R3A14	70795021	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A16	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R3A17	BY230295	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
R3A18	BY230295	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
R3A23	70795011	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A24	BY230288	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
R3A25	BY230294	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
R3A26	70795006	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A28	70795523	2007-000267	R-CHIP;1.8Kohm,5%,1/8W,TP,2012	
R3A31	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R3A50	BY230303	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	
R3A51	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R3A60	70795609	2001-000605	R-CARBON;3.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R401	70795705	2007-000941	R-CHIP;47Kohm,5%,1/8W,TP,2012	
R402	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R403	BY230276	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R404	BY230276	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R405A	BY230277	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
R406	70795006	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R407	70795526	2007-000493	R-CHIP;2.2Kohm,5%,1/8W,TP,2012	
R408	BY230019	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R409	BY230277	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
R4N01	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R4N02	70795683	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	
R4N03	BY230276	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R4N04	BY230307	2007-000129	R-CHIP;27Kohm,5%,1/10W,TP,1608	
R4N05	70795004	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R4N06	70795004	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R501	BY230302	2007-000913	R-CHIP;43Kohm,5%,1/10W,TP,1608	
R502	BY230273	2007-001056	R-CHIP;6.2Kohm,5%,1/10W,TP,1608	
R503	BY230278	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
R505	BY230302	2007-000913	R-CHIP;43Kohm,5%,1/10W,TP,1608	
R506	BY230273	2007-001056	R-CHIP;6.2Kohm,5%,1/10W,TP,1608	
R509	BY230273	2007-001056	R-CHIP;6.2Kohm,5%,1/10W,TP,1608	
R510	70795038	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R511	70795686	2007-000355	R-CHIP;12Kohm,5%,1/8W,TP,2012	
R512	BY230298	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	
R514	BY230290	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
R516	70795041	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R517	BY230273	2007-001056	R-CHIP;6.2Kohm,5%,1/10W,TP,1608	
R518	BY230302	2007-000913	R-CHIP;43Kohm,5%,1/10W,TP,1608	
R521	BY230284	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	
R522	BY230284	2007-000087	R-CHIP;6.8Kohm,5%,1/10W,TP,1608	
R533	BY230220	2007-000003	R-CHIP;43Kohm,5%,1/8W,TP,2012	
R540	BY230302	2007-000913	R-CHIP;43Kohm,5%,1/10W,TP,1608	
R545	BY230239	2007-000511	R-CHIP;2.4Kohm,5%,1/8W,TP,2012	
R546	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R547	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R550	70795038	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R551	70795692	2007-000546	R-CHIP;20Kohm,5%,1/8W,TP,2012	
R552	70795038	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R553	BY230308	2007-000093	R-CHIP;20Kohm,5%,1/10W,TP,1608	
R570	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
R571	70795708	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	
R601	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R602	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R603	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R604	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R605	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R607	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R608	70795047	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R609	70795047	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R610	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R611	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R614	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R620	70795040	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R623	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R624	BY230282	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
R630	70795006	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R631	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R632	70795045	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R637	BY230275	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
R638	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R639	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R640	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R641	BY230278	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
R642	BY230278	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
R644	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R651	70795719	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	
R656	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R660	70795041	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R661	BY230298	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	
R666	BY230278	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
R667	BY230278	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
R668	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R669	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R670	BY230282	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
R671	BY230282	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
R672	BY230282	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
R674	70795006	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R675	BY230164	2001-000032	R-CARBON;180OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R676	BY230289	2007-000096	R-CHIP;30Kohm,5%,1/10W,TP,1608	
R678	BY230288	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
R679	70795019	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R682	BY230288	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
R685	BY230283	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	
R690	BY230291	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	
R691	70795019	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R693	BY230290	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
R694	BY230290	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
R695	BY230276	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R696	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R697	BY230276	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
R698	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R6P01	70795004	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R6P02	70795004	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R6P03	BY230281	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	
R6P04	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R6P05	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R6P06	BY230283	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	
R6P07	BY230277	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
R6P08	BY230293	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	
R6P09	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
R6P10	70795019	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R727	BY230287	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
R728	70795521	2007-000409	R-CHIP;15Kohm,5%,1/8W,TP,2012	
R729	BY230287	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
R730	70795521	2007-000409	R-CHIP;15Kohm,5%,1/8W,TP,2012	
R731	BY230285	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
R732	BY230301	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	
R733	BY230301	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	
R734	BY230301	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	
R735	BY230301	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	
R736	BY230301	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	
R737	BY230301	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	
R738	BY230301	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	
R741	BY230301	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	
R777	BY230288	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
R802	BY230280	2007-000079	R-CHIP;1.8Kohm,5%,1/10W,TP,1608	
R803	BY230280	2007-000079	R-CHIP;1.8Kohm,5%,1/10W,TP,1608	
R805	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R806	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	

Loc.No.	TSB Parts No.	Reference No.	Description ; Specification	Remark
R807	BY230304	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
R808	BY230304	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
R810	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R811	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R812	BY230304	2007-001167	R-CHIP;75ohm,5%,1/10W,TP,1608	
R813	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R814	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R815	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R816	BY230279	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
R821	BY230298	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	
R822	BY230288	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
R828	70795004	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R839	70795004	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R842	70795358	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
W062	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
W064	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
W066	70795005	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
W172	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
W199	70795513	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
W384	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
W386	70795513	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
W515	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
W701	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
W702	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
W750	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
W751	70795513	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
W752	BY230274	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
< MISCELLANEOUS >				
CN1SS1	BY634858	3711-000203	CONNECTOR-HEADER;1WALL,2P,1R,7.92MM,STRA	
CN301	70796387	3708-000391	CONNECTOR-FPC/FFC/PIC;10P,1.25mm,STRAIGH	
CN3A01	BY634023	3708-001165	CONNECTOR-FPC/FFC/PIC;6P,1.25MM,STRAIGHT	
CN3A02	BY634412	3710-001648	CONNECTOR-SOCKET;2P,1R,2.5mm,STRAIGHT,SN	
CN604	BY634669	3711-004833	CONNECTOR-HEADER;BOX,12P,2R,2MM,STRAIGHT	
DT701	BY634759	AC07-00039A	LED DISPLAY;C-384EG,-,38,8,5,52.8*18.5*2	
F1SS01	BY634112	3601-001123	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,CERAMI	⚠
FC1SS1	BY634083	3602-000103	FUSE-CLIP;-,-,10mohm	
FC1SS2	BY634083	3602-000103	FUSE-CLIP;-,-,10mohm	
GP301	BY730731	AC63-00043A	SHIELD CASE-GROUND PCB;SV-643F,STPE,T0.3	
GP401	BY634725	AC63-00076A	GROUND-RF;SV-653F,SUS304,T0.3,-,-,-,-	
HS02	BY731110	AC62-00003A	HEAT SINK-MAIN;SV-653F,A1050R,T6,W15,L25	
JC801	BY634413	3722-001573	JACK-SCART;42P/2R,-,SN,BLK/BLU,#20-28	
JC802	BY634414	3722-001576	JACK-PIN;2P,3.5mm,NI,BLK,-	
LD601	BY430016	0601-000517	LED-IR;RECTANGULA,4x6.0mm,75mW,6V,950	
PT1SS1	BY330072	AC26-00013D	TRANS SWITCHING;EE-2622(J2A),SV-657F,-,2	⚠
RM701	BY630336	0609-001198	MODULE REMOCON;VERTICAL,19MM,TR	
RS601	BY632005	AC34-20100B	SWITCH-REC;-,-,X-9,-	
SC02	22797145	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	
SW601	BY632004	AC34-20100A	SWITCH-MODE;-,-,X-9,-	
SW701	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW703	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW708	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW709	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW712	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW714	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW715	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW716	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW719	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW720	BY632011	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
TM401	BY630378	AC40-00032A	TM BLOCK;TCMI0610PD20A,PAL I,21-69CH,PL	
VA1SS1	BY634022	1405-001026	VARISTOR;470V,600A,9x7mm,TP	⚠
XT301	BY633009	2801-001397	CRYSTAL-UNIT;4.433619MHz,20ppm,28-AAA,S,	
XT4N01	BY633011	2801-003171	CRYSTAL-UNIT;18.432MHz,20PPM,28-AAM,4PF,	
XT602	BY633010	2801-003139	CRYSTAL-UNIT;8MHz,50ppm,28-AAA,22pF,80oh	

MEMO

8. Block Diagram

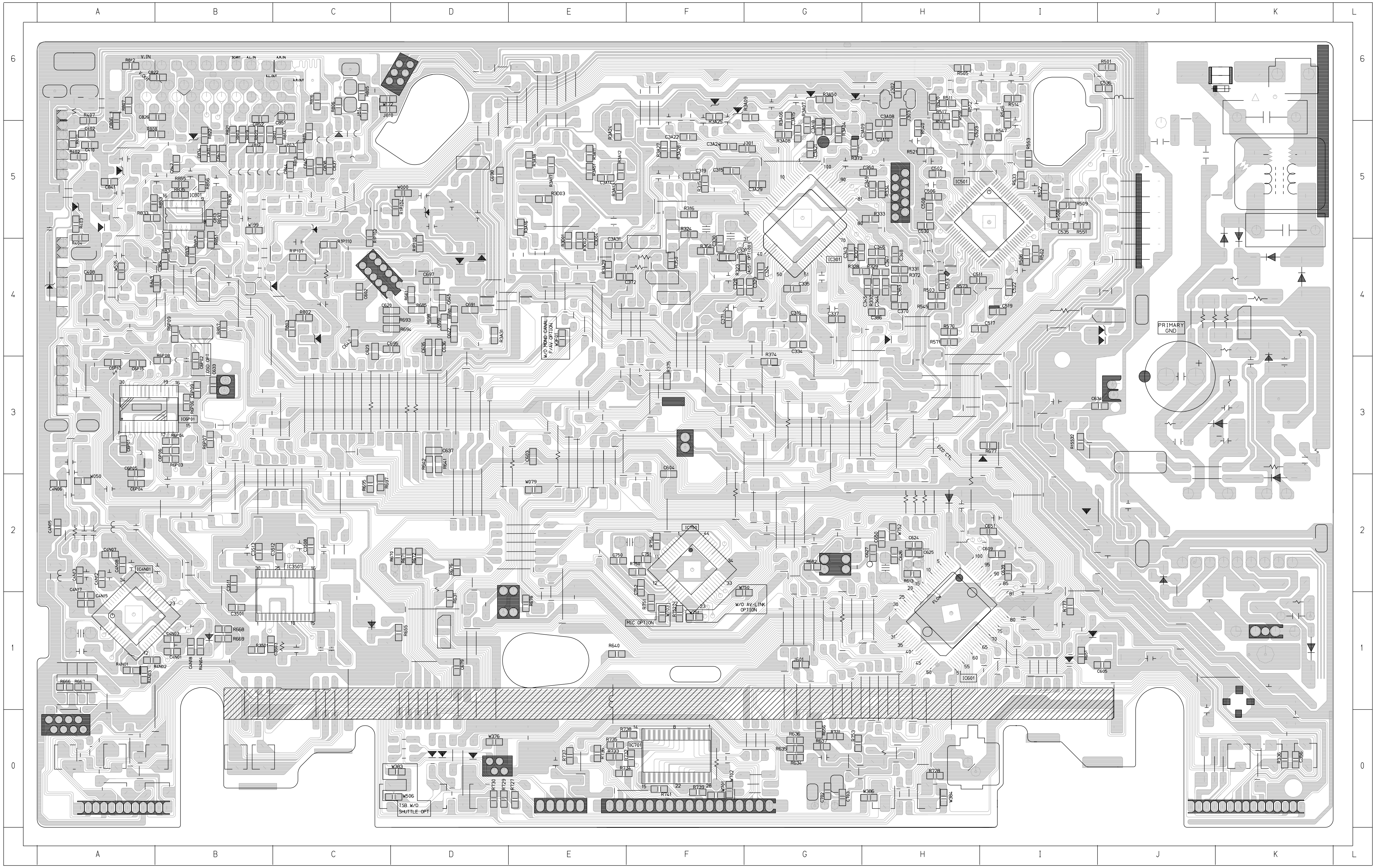


MEMO

9. PCB Diagrams

9-1 Main - - -

9-1 Main


A
B
C
D
E
F
G
H
I
J
K
L
6
5
4
3
2
1
0
V.IN
SCART
A.L.IN
A.R.IN
A.L.OUT
A.R.OUT
IC801
IC6P01
OSD OPT
IC4N01
IC3S01
IC750
IC701
IC301
IC501
IC601
W/O MONO CANAL
F/AV OPTION
AUST OPT(100)
MIC OPTION
W/O AV-LINK
OPTION
TSB W/O
SHUTTLE OPT
ECO CTL
FLOW
PRIMARY
GND

BD1SD1 (J6)
BD1SR1 (K3)
BD1SS1 (K2)
BD1SS2 (J1)
C1P102 (C4)
C1P103 (C4)
C1P104 (D5)
C1P105 (D5)
C1P106 (D5)
C1P108 (D5)
C1P109 (C5)
C1P120 (C4)
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C1SD04 (J5)
C1SD11 (J3)
C1SD12 (J3)
C1SD13 (K3)
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C1SR14 (K3)
C1SS01 (K6)
C1SS02 (K5)
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C1SS35 (J1)
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C1SS39 (J3)
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C318 (F5)
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C382 (G4)
C385 (B4)
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C3A02 (F5)
C3A11 (E5)
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C3A16 (G6)
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C3S15 (C1)
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C608 (J0)
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C652 (A1)
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C681 (I2)
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C693 (E0)
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C802 (B4)
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C805 (B4)
C809 (B5)
C810 (B5)
C812 (B5)
C814 (B5)
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C821 (A5)
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CN703 (A0)
CN708 (J0)
CN709 (E0)
CN301 (H5)
CN3A01 (C6)
CN3A02 (I4)
CN3A1S (D6)
CN604 (C4)
CN702 (D0)
CN703S (A0)
CON/B (C6)
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D1SS02 (K5)
D1SS03 (K4)
D1SS04 (K4)
D1SS11 (J3)
D1SS31 (J2)
D1SS32 (K1)
D1SS33 (K1)
D301 (H4)
D302 (I3)
D410 (D6)
D4N01 (D2)
D4N02 (B1)
D601 (J1)
D603 (I1)
D604 (C1)
D612 (H2)
D701 (D0)
D702 (D0)
D703 (D0)
D704 (I1)
D605 (G2)
D805 (C5)
DT701 (F0)
F1SS01 (K6)
FC1SS1 (K6)
FC1SS2 (J6)
FL3A01 (E5)
FL3D01 (F5)
GP301 (H6)
HS01 (K3)
HS02 (K1)
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IC1SS2 (I3)
IC604 (J1)
IC608 (H0)
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JC802 (C6)
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L3A02 (F5)
L3A03 (F5)
L3A50 (E5)
L3D01 (E5)
L402 (A4)
L4N01 (A1)
L4N02 (A2)
L4N03 (A2)
L4N04 (B1)
L501 (I3)
L502 (I6)
L602 (H2)
L603 (D4)
L6P03 (B3)
L6P05 (A3)
L701 (E0)
L803 (C5)
L804 (C5)
L805 (B5)
L806 (B5)
L807 (C5)
L808 (B5)
L809 (C5)
L810 (C5)
L811 (B5)
L812 (B5)
L814 (A5)
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LD601A (F3)
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PT601 (D1)
PT602 (G2)
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Q1P102 (D5)
Q1P103 (D5)
Q1P104 (C4)
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Q1P107 (C5)
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Q350 (F4)
Q351 (B4)
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Q3A02 (E6)
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Q3D01 (E5)
Q3D02 (E5)
Q3D07 (F4)
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Q602 (C1)
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XT302 (F5)
XT4N01 (A1)
XT602 (H2)
XT750 (F2)
XT601 (H2)
ZD1P01 (J4)
ZD1P02 (D5)
ZD1P03 (D4)
ZD1P04 (C5)
ZD1SS1 (I2)
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ZD807 (C4)
ZD808 (A5)
ZD809 (A5)
ZD810 (F5)
ZD811 (F5)
ZD812 (G6)
ZD813 (G6)

MEMO

10. Schematic Diagrams

◆ Block Identification of Main PCB - 10-2

10-1 S.M.P.S. - 10-3

10-2 Power - 10-4

10-3 System Control/Servo/Display - 10-5

10-4 Audio/Video - 10-6

10-5 Hi-Fi - 10-7

10-6 TM-Block - 10-8

10-7 NICAM - 10-9

10-8 OSD/VPS/PDC - 10-10

10-9 Input-Output - 10-11

Note

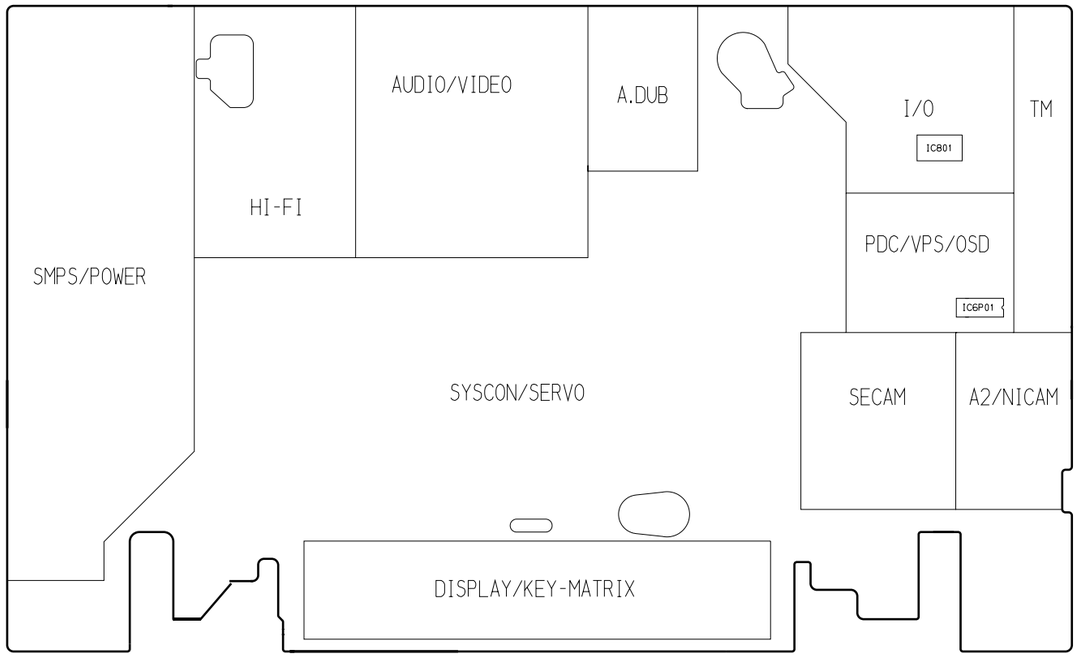
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

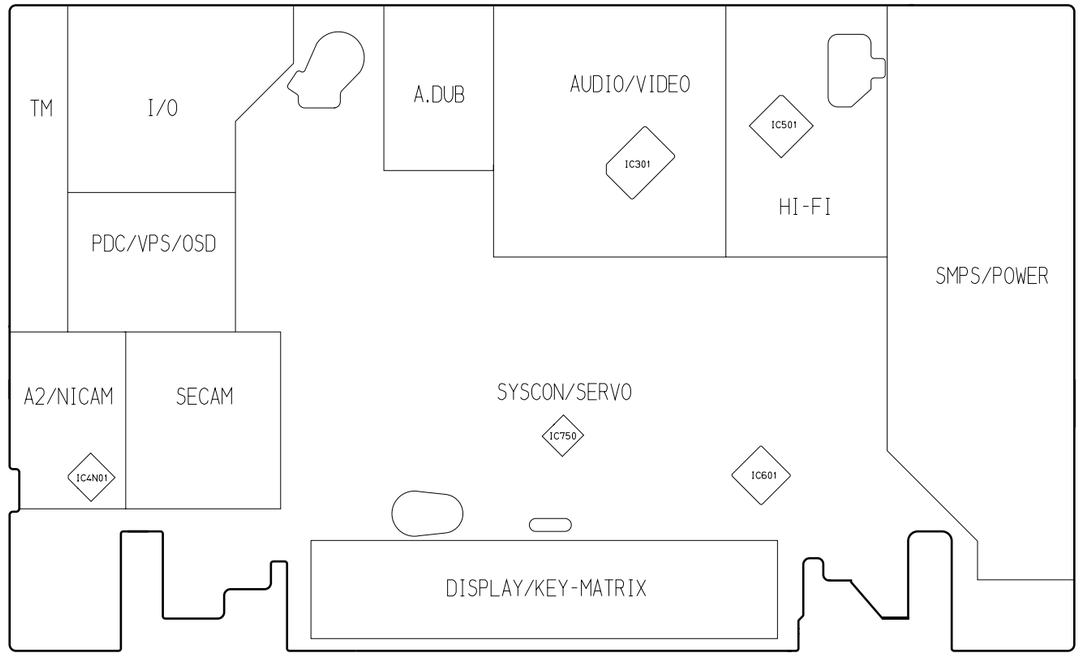
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components.
Use only the same type.

◆ Block Identification of Main PCB

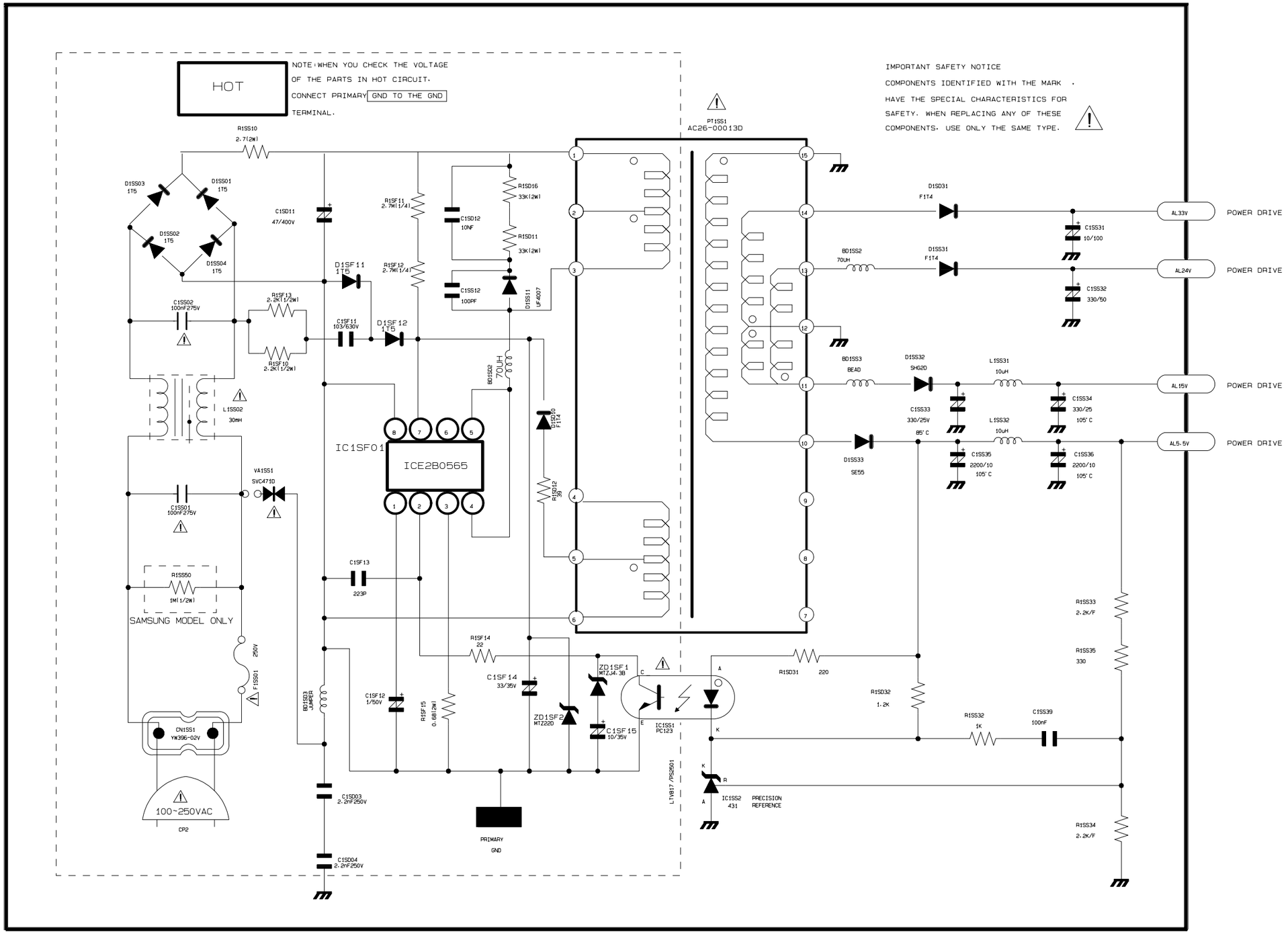


Component Side

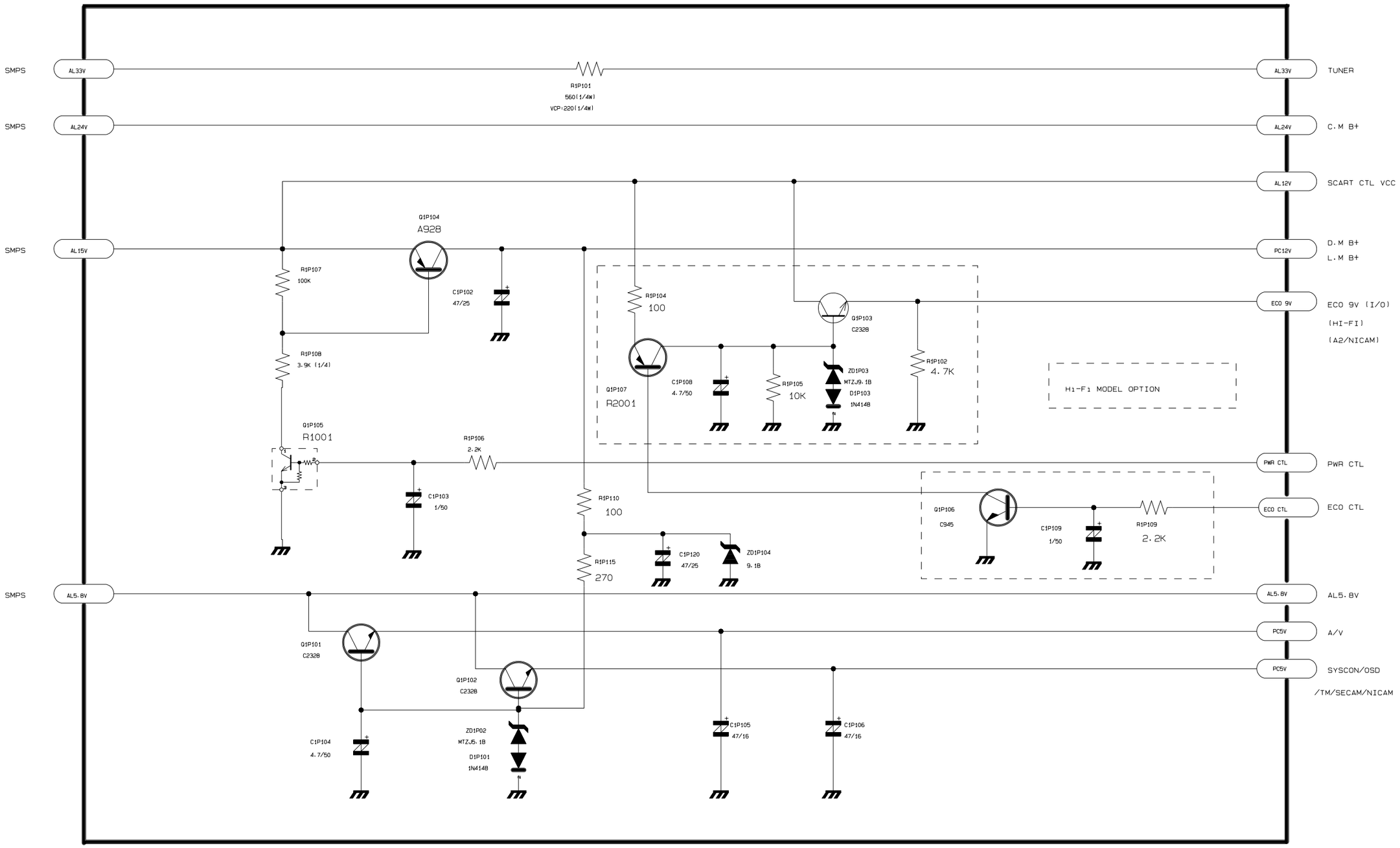


Conductor Side

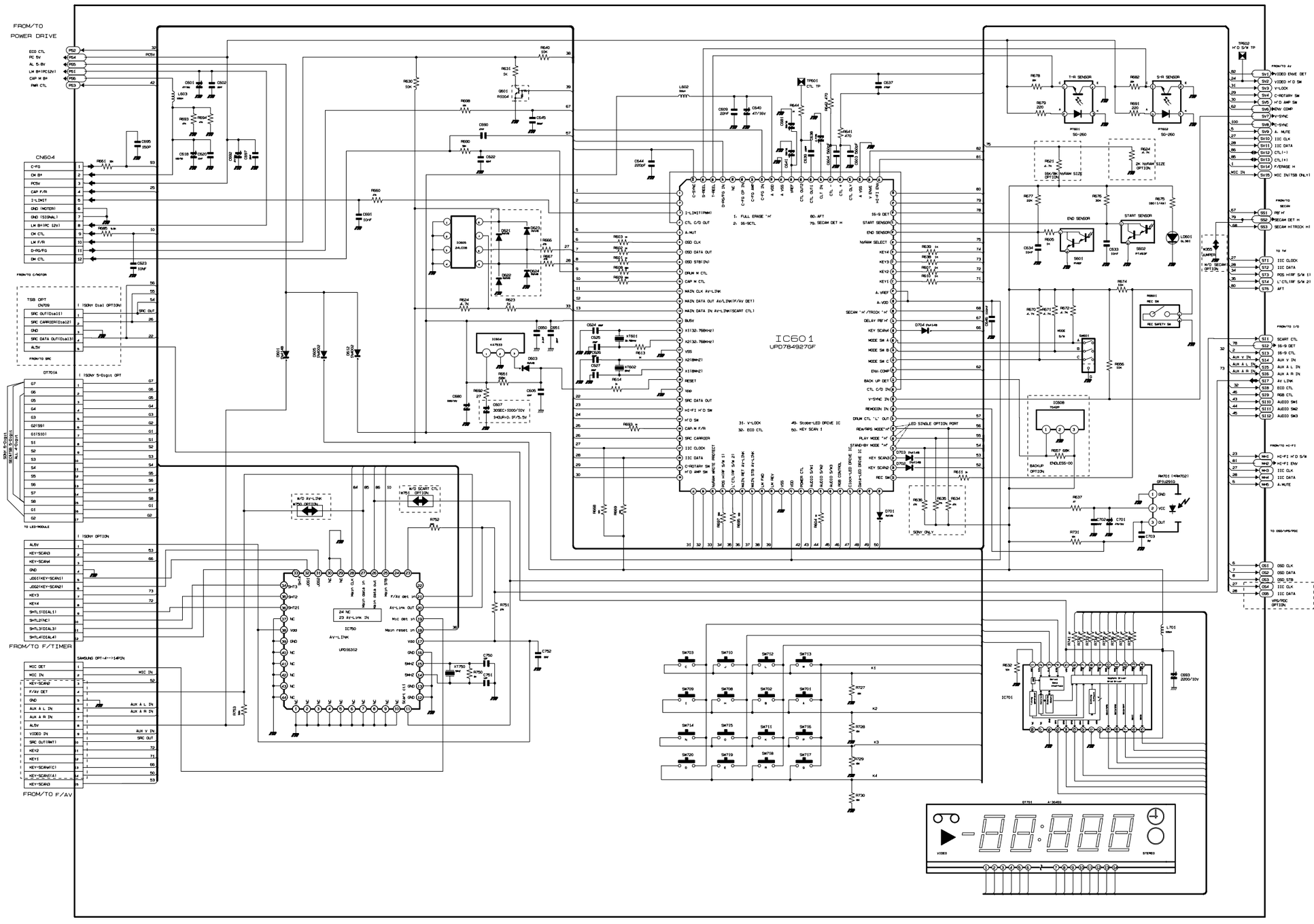
10-1 S.M.P.S.


HOT
NOTE : WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT. CONNECT PRIMARY GND TO THE GND TERMINAL.
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK . HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.
PT1SS1 AC26-00013D
R1SS10 2.7(2W)
D1SS03 1T5
D1SS01 1T5
D1SS02 1T5
D1SS04 1T5
C1SD11 47/400V
R1SF11 2.7M(1/4)
R1SF12 2.7M(1/4)
C1SD12 10NF
R1SD16 33K(2W)
R1SD11 33K(2W)
C1SS12 100PF
D1SS11 UF4007
D1SF11 1T5
D1SF12 1T5
R1SF13 2.2K(1/2W)
R1SF10 2.2K(1/2W)
C1SS02 100nF/275V
C1SF11 103/630V
BD1SS2 70UH
D1SS10 F1T4
L1SS02 30mH
IC1SF01
ICE2B0565
R1SD12 39
VA1SS1 SVC471D
C1SS01 100nF/275V
R1SS50 1M(1/2W)
SAMSUNG MODEL ONLY
250V
F1SS01
CN1SS1 YW396-02V
100~250VAC
CP2
C1SF13 223P
C1SD03 2.2nF/250V
C1SD04 2.2nF/250V
PRIMARY GND
BD1SD3 BEAD
C1SF12 1/50V
R1SF15 0.68(2W)
R1SF14 22
C1SF14 33/35V
ZD1SF1 MTZJ4.3B
ZD1SF2 MTZ22D
C1SF15 10/35V
IC1SS1 PC123
R1SD31 220
R1SD32 1.2K
R1SS32 1K
C1SS39 100nF
LTV817/PS2501
IC1SS2 431 PRECISION REFERENCE
R1SS34 2.2K/F
R1SS33 2.2K/F
R1SS35 330
D1SD31 F1T4
D1SS31 F1T4
BD1SS2 70UH
BD1SS3 BEAD
D1SS32 SH620
D1SS33 SE55
L1SS31 10uH
L1SS32 10uH
C1SS31 10/100
C1SS32 330/50
C1SS33 330/25V 85°C
C1SS34 330/25 105°C
C1SS35 2200/10 105°C
C1SS36 2200/10 105°C
AL33V
AL24V
AL15V
AL5.5V
POWER DRIVE
POWER DRIVE
POWER DRIVE
POWER DRIVE

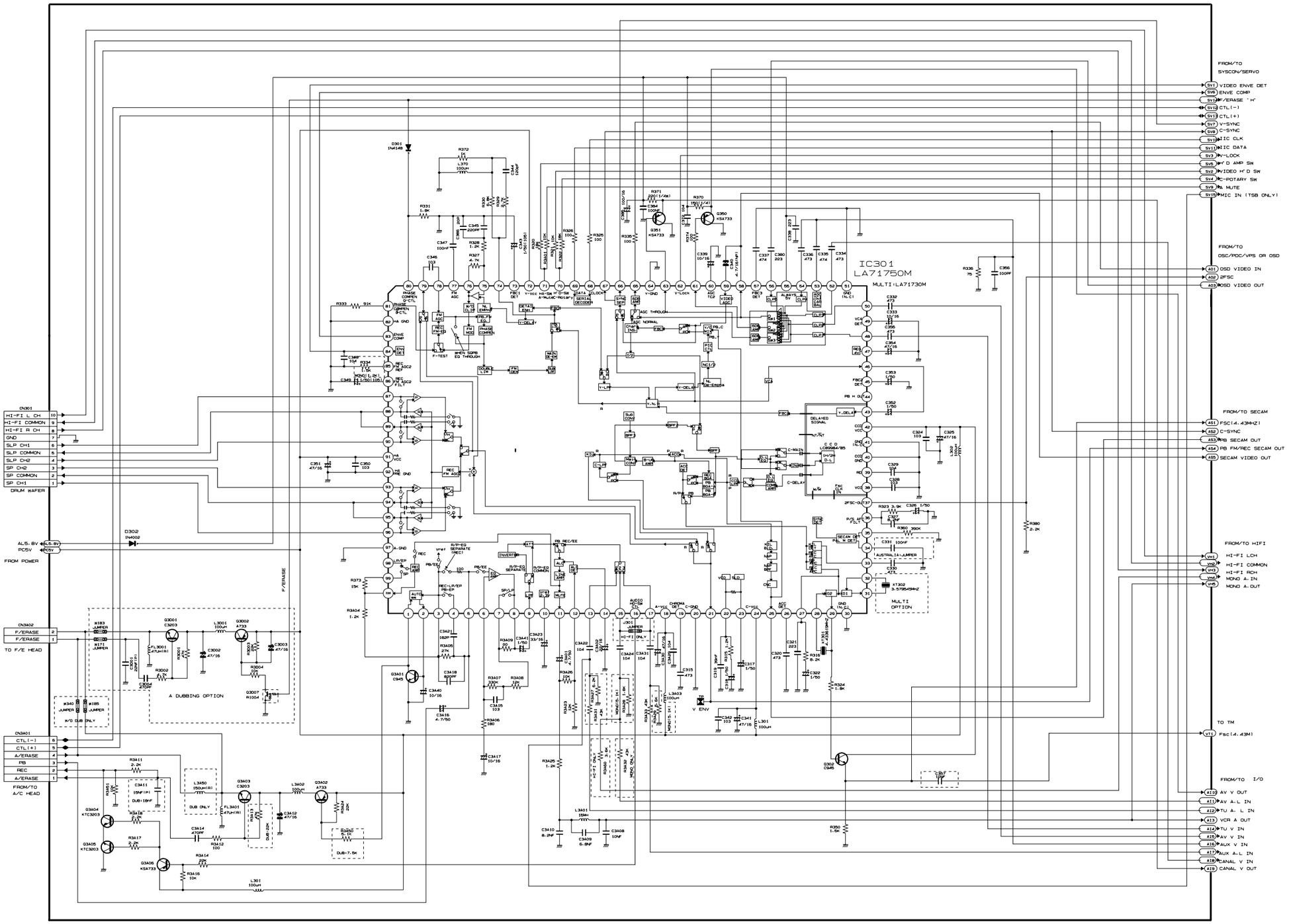
10-2 Power


SMPS
AL33V
R1P101
560(1/4W)
VCP:220(1/4W)
AL33V
TUNER
SMPS
AL24V
AL24V
C.M B+
AL12V
SCART CTL VCC
SMPS
AL15V
Q1P104
A928
R1P107
100K
C1P102
47/25
R1P108
3.9K (1/4)
Q1P105
R1001
R1P106
2.2K
C1P103
1/50
R1P104
100
Q1P103
C2328
Q1P107
R2001
C1P108
4.7/50
R1P105
10K
ZD1P03
MTZJ9.1B
D1P103
1N414B
R1P102
4.7K
H1-F1 MODEL OPTION
PC12V
D.M B+
L.M B+
ECO 9V
ECO 9V (I/O)
(HI-FI)
(A2/NICAM)
PWR CTL
PWR CTL
ECO CTL
ECO CTL
R1P110
100
R1P115
270
C1P120
47/25
ZD1P04
9.1B
Q1P106
C945
C1P109
1/50
R1P109
2.2K
SMPS
AL5.8V
AL5.8V
AL5.8V
Q1P101
C2328
Q1P102
C2328
PC5V
A/V
PC5V
SYSCON/OSD
/TM/SECAM/NICAM
C1P104
4.7/50
ZD1P02
MTZJ5.1B
D1P101
1N414B
C1P105
47/16
C1P106
47/16

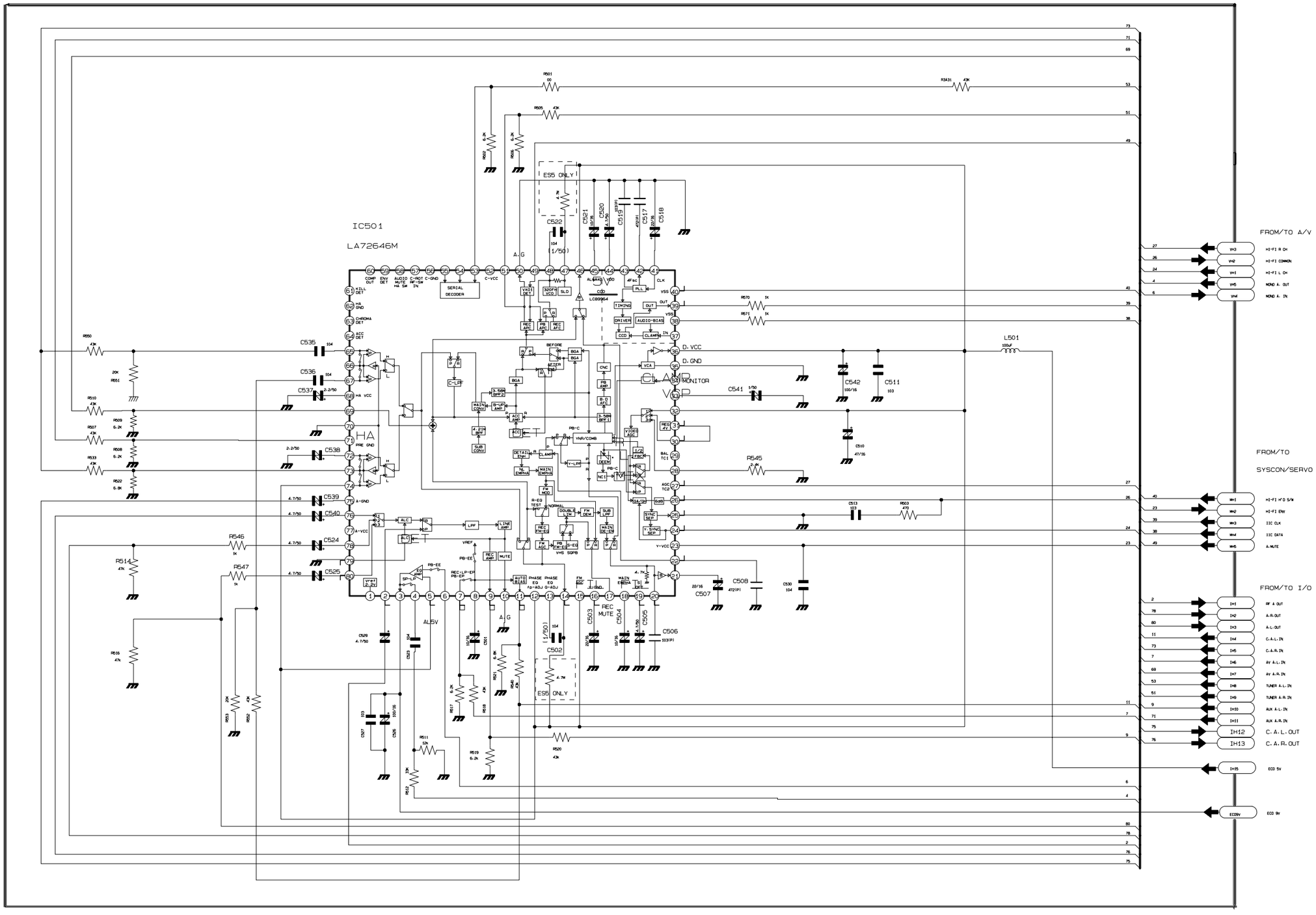
10-3 System Control/Servo/Display



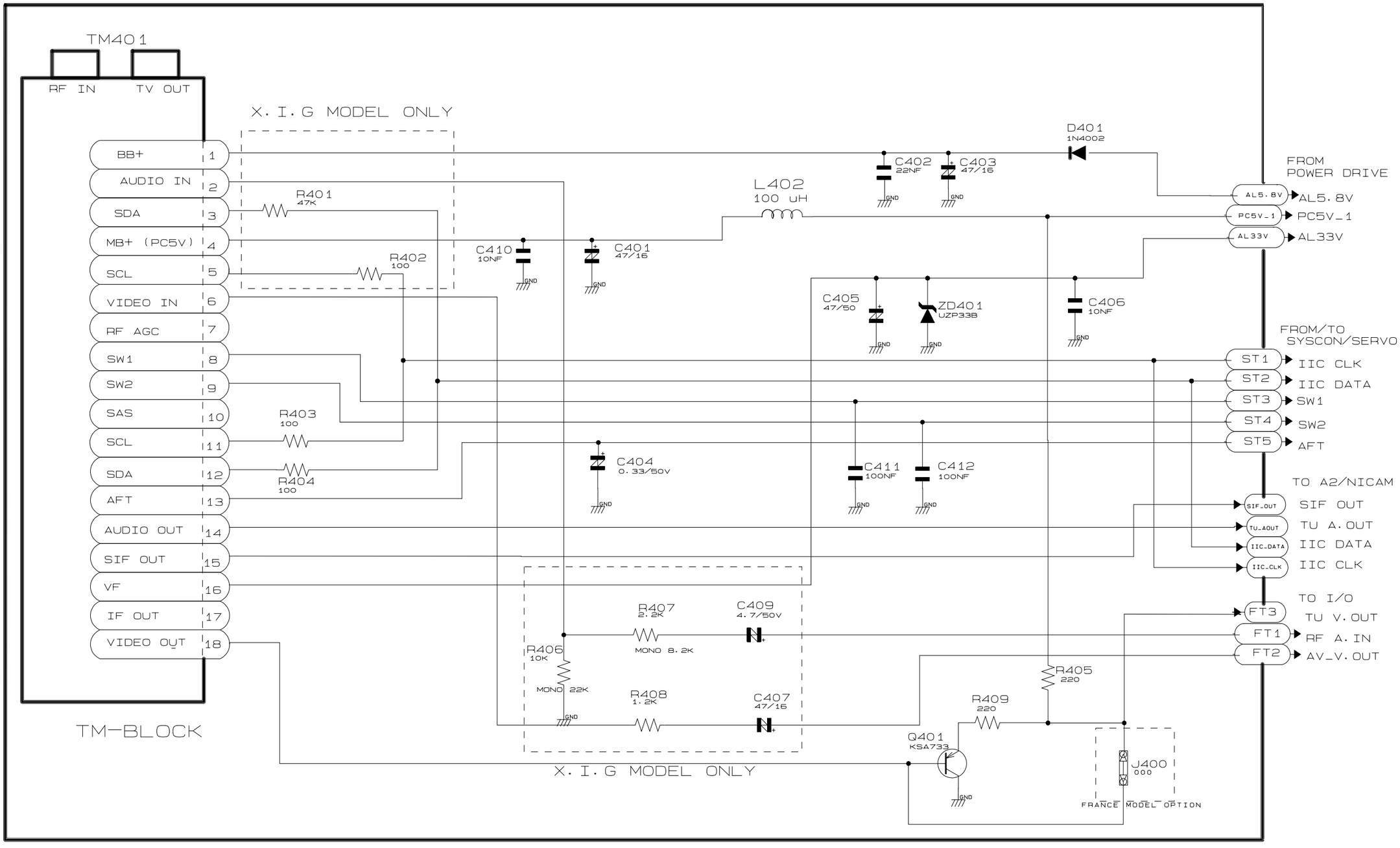
10-4 Audio/Video



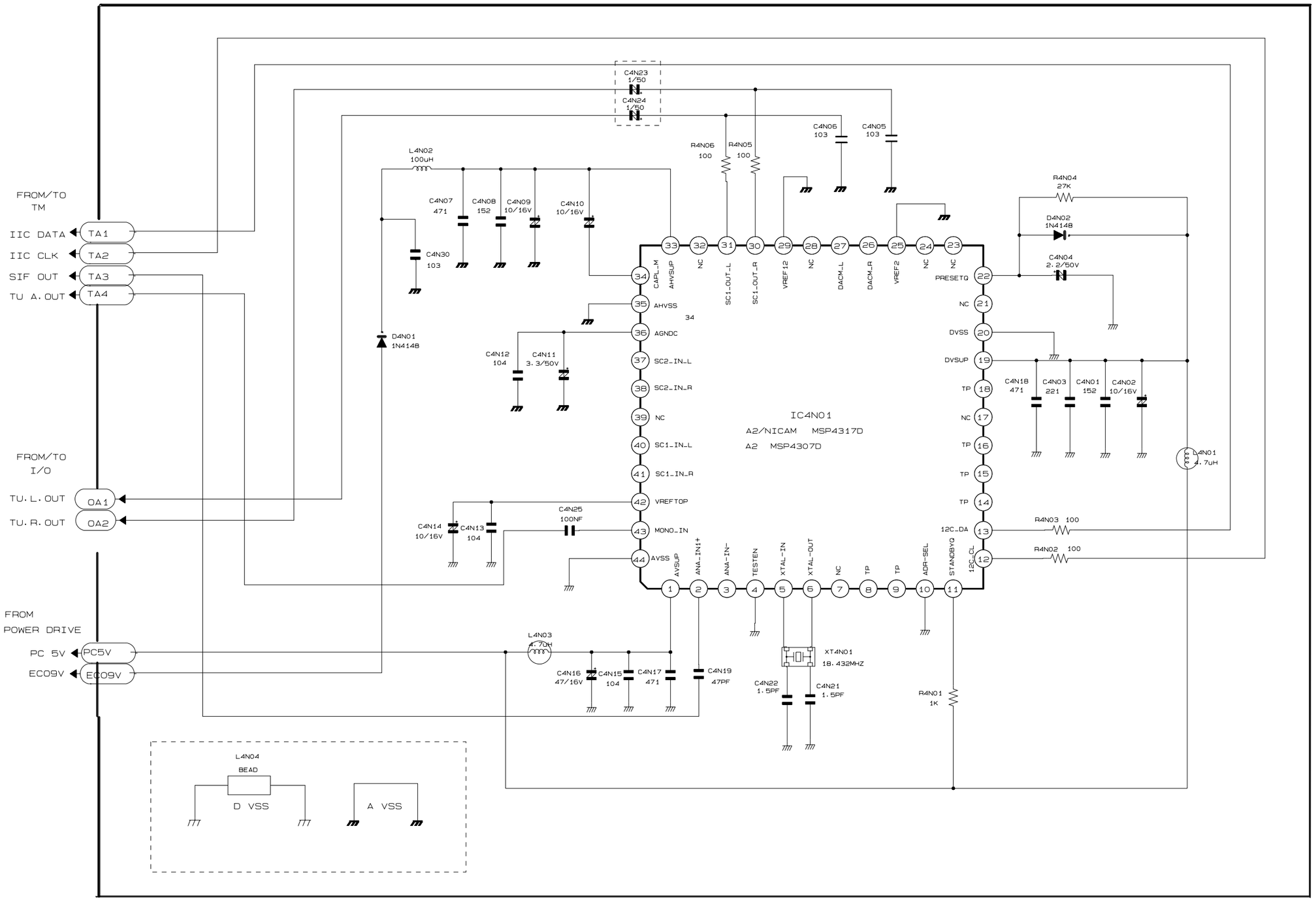
10-5 Hi-Fi


IC501
LA72646M
LC89954
SERIAL DECODER
ES5 ONLY
HA
MONITOR
FROM/TO A/V
HI-FI R CH
HI-FI COMMON
HI-FI L CH
MONO A. OUT
MONO A. IN
FROM/TO SYSCON/SERVO
HI-FI H'D S/W
HI-FI ENV
IIC CLK
IIC DATA
A-MUTE
FROM/TO I/O
RF A OUT
A.R. OUT
A.L. OUT
C.A.L. IN
C.A.R. IN
AV A.L. IN
AV A.R. IN
TUNER A.L. IN
TUNER A.R. IN
AUX A.L. IN
AUX A.R. IN
C.A.L. OUT
C.A.R. OUT
ECO 5V
ECO 9V
L501
100uF
C542
100/16
C511
103
C541
1/50
C510
47/16
C513
103
R503
470
R545
2.4K
C507
20/16
C508
472(P)
C530
104
C506
103(P)
R570
1K
R571
1K
R550
47K
R551
20K
R510
47K
R509
6.2K
R507
47K
R508
6.2K
R533
47K
R522
6.8K
R546
1K
R514
47K
R547
1K
R516
47K
R553
20K
R552
1K
C535
104
C536
104
C537
2.2/50
C538
2.2/50
C539
4.7/50
C540
4.7/50
C524
4.7/50
C525
4.7/50
C528
4.7/50
C523
104
C527
103
C526
100/16
C501
104
C502
1/50
C503
104
C504
4.7/50
C505
4.7/50
R517
6.2K
R518
2K
R519
6.2K
R511
12K
R512
33K
R520
43K
R501
00
R505
43K
R3431
43K
R502
4.7K
R503
4.7K
C522
104
1/50
C521
104
C520
1/50
C519
330P
C517
470P
C518
R550
R551
R510
R509
R507
R508
R533
R522
R546
R514
R547
R516
R553
R552
C535
C536
C537
C538
C539
C540
C524
C525
C528
C523
C527
C526
C501
C502
C503
C504
C505
C506
R517
R518
R519
R511
R512
R520
R501
R505
R3431
R502
R503
C522
C521
C520
C519
C517
C518
C542
C511
C541
C510
C513
R503
R545
C507
C508
C530
C506
R570
R571
L501

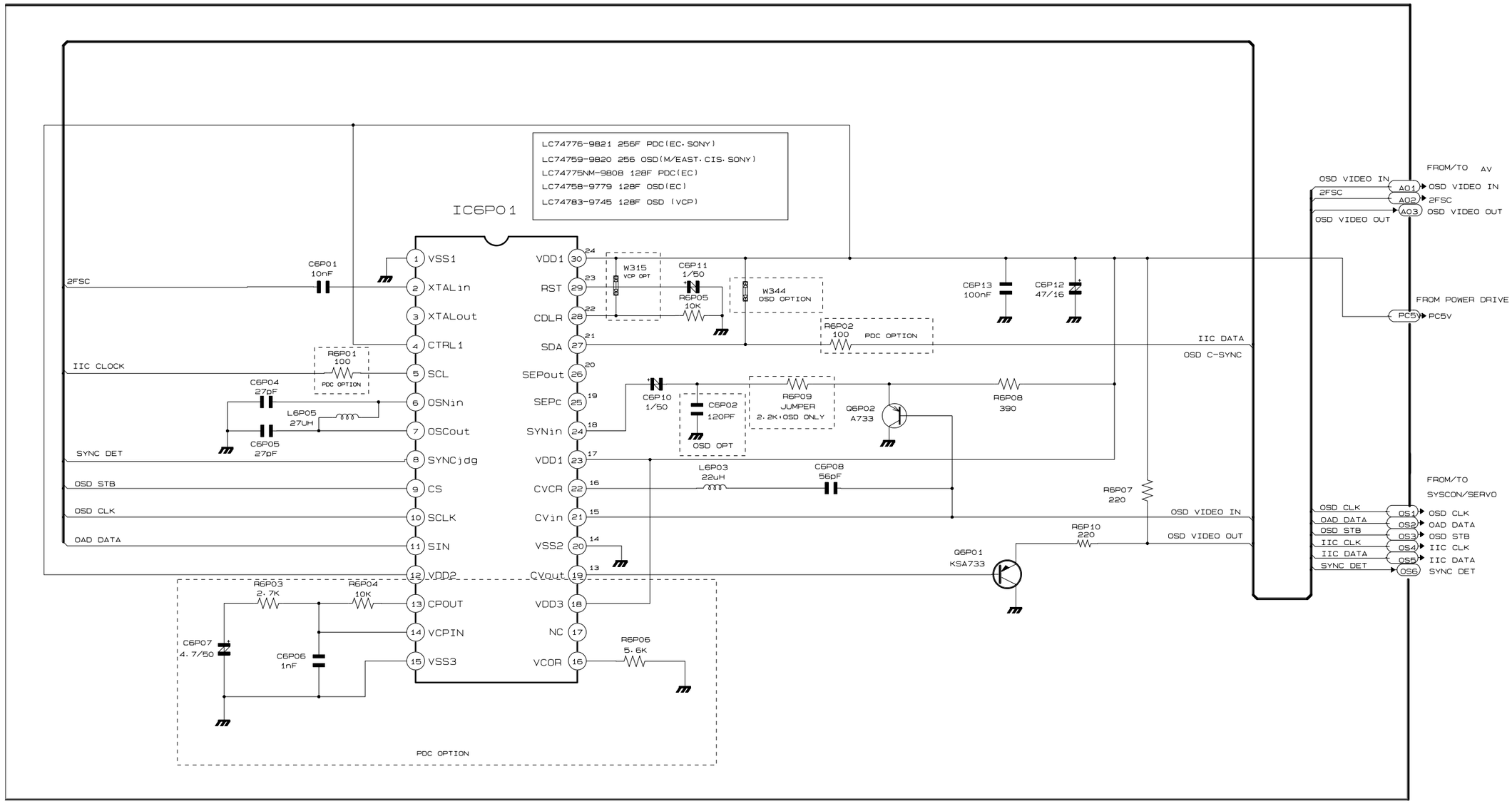
10-6 TM-Block


TM401
RF IN
TV OUT
X.I.G MODEL ONLY
BB+ 1
AUDIO IN 2
SDA 3
MB+ (PC5V) 4
SCL 5
VIDEO IN 6
RF AGC 7
SW1 8
SW2 9
SAS 10
SCL 11
SDA 12
AFT 13
AUDIO OUT 14
SIF OUT 15
VF 16
IF OUT 17
VIDEO OUT 18
TM-BLOCK
R401 47K
R402 100
R403 100
R404 100
C410 10NF
C401 47/16
L402 100 uH
C402 22NF
C403 47/16
D401 1N4002
C404 0.33/50V
C411 100NF
C412 100NF
C405 47/50
ZD401 UZP33B
C406 10NF
R407 2.2K
C409 4.7/50V
MONO 8.2K
R406 10K
MONO 22K
R408 1.2K
C407 47/16
X.I.G MODEL ONLY
R405 220
R409 220
Q401 KSA733
J400 000
FRANCE MODEL OPTION
FROM POWER DRIVE
AL5.8V
PC5V_1
AL33V
FROM/TO SYSCON/SERVO
ST1 IIC CLK
ST2 IIC DATA
ST3 SW1
ST4 SW2
ST5 AFT
TO A2/NICAM
SIF_OUT SIF OUT
TU_AOUT TU A.OUT
IIC_DATA IIC DATA
IIC_CLK IIC CLK
TO I/O
FT3 TU V.OUT
FT1 RF A.IN
FT2 AV_V.OUT

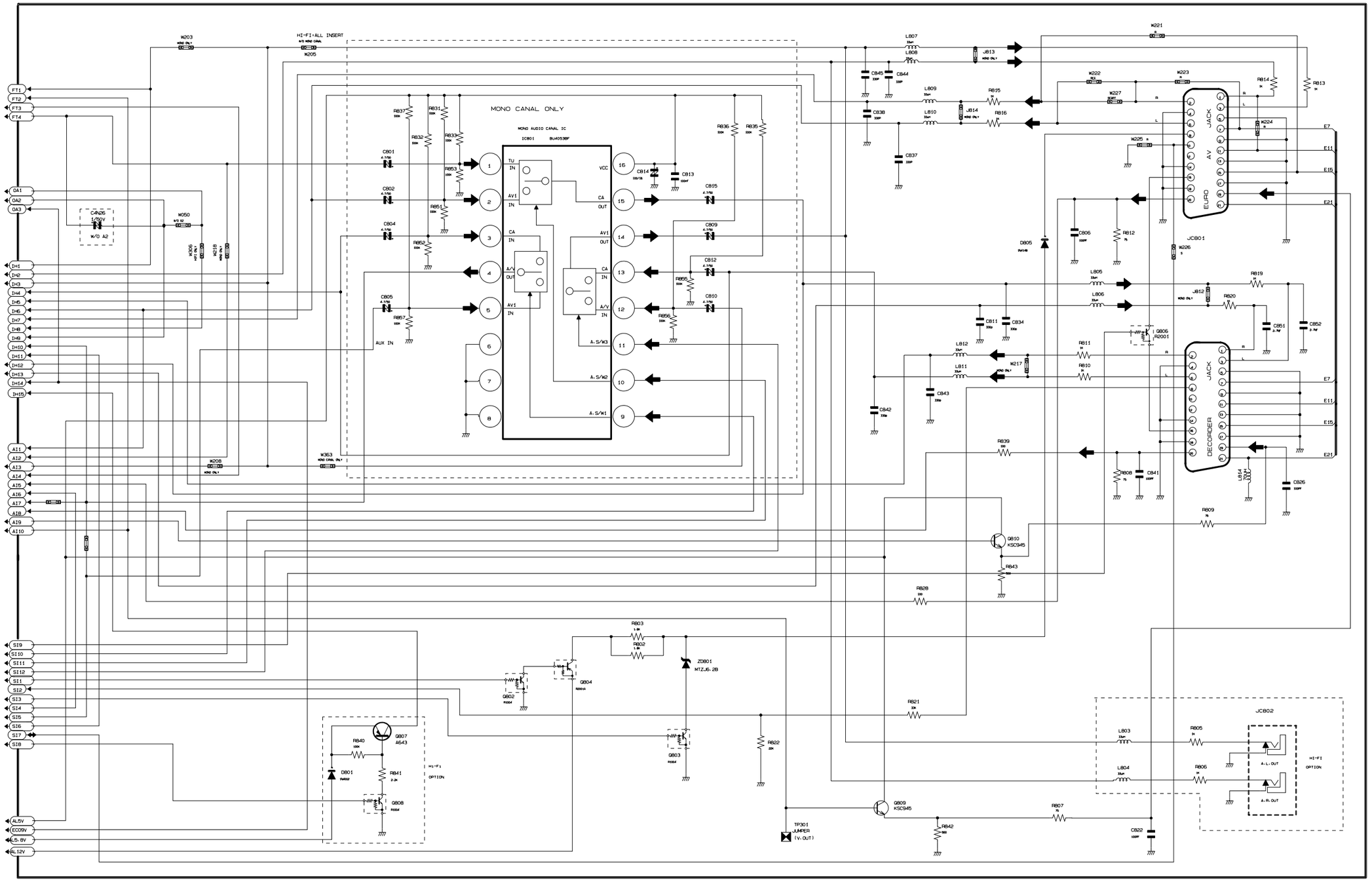
10-7 NICAM


FROM/TO TM
IIC DATA
IIC CLK
SIF OUT
TU A. OUT
TA1
TA2
TA3
TA4
FROM/TO I/O
TU. L. OUT
TU. R. OUT
OA1
OA2
FROM POWER DRIVE
PC 5V
EC09V
PC5V
EC09V
C4N23 1/50
C4N24 1/50
L4N02 100uH
C4N07 471
C4N08 152
C4N09 10/16V
C4N10 10/16V
C4N30 103
D4N01 1N4148
C4N12 104
C4N11 3.3/50V
R4N06 100
R4N05 100
C4N06 103
C4N05 103
R4N04 27K
D4N02 1N4148
C4N04 2.2/50V
C4N14 10/16V
C4N13 104
C4N25 100NF
L4N03 4.7UH
C4N16 47/16V
C4N15 104
C4N17 471
C4N19 47PF
XT4N01 18.432MHZ
C4N22 1.5PF
C4N21 1.5PF
R4N01 1K
C4N18 471
C4N03 221
C4N01 152
C4N02 10/16V
L4N01 4.7UH
R4N03 100
R4N02 100
IC4N01
A2/NICAM MSP4317D
A2 MSP4307D
33 CAP_M
32 AHVSUP
31 NC
30 SC1_OUT_L
29 SC1_OUT_R
28 VREF12
27 NC
26 DACM_L
25 DACM_R
24 VREF2
23 NC
22 NC
PRESETQ
21 NC
20 DVSS
19 DVSUP
18 TP
17 NC
16 TP
15 TP
14 TP
13 I2C_DA
12 I2C_CL
11 STANDBYQ
10 ADR_SEL
9 TP
8 TP
7 NC
6 XTAL_OUT
5 XTAL_IN
4 TESTEN
3 ANA_IN-
2 ANA_IN1+
1 AVSUP
34 CAP_M
35 AHVSS
36 AGNDC
37 SC2_IN_L
38 SC2_IN_R
39 NC
40 SC1_IN_L
41 SC1_IN_R
42 VREFTOP
43 MONO_IN
44 AVSS
L4N04
BEAD
D VSS
A VSS

10-8 OSD/VPS/PDC



10-9 Input-Output



MEMO